THOMSON MULTI MEDIA

Brandt FERGUSON **NORDMENDE** SABA **TELEFUNKEN** **THOMSON**

VIDEO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

VIDEORECORDER

Chassis R 5000
MONO

NORDMENDE	SABA	TELEFUNKEN	THOMSON
V 1250 SVM	VR 7021	M 9523	VP 2601
V 1450 SVM	VR 7027	M 9625	VP 2651
V 1455 F	VR 7041	M 9655	VP 4601
V 1455 SENSAR		T 8000	VP 4681

⚠

WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 350 335 00 - 01 / 97

No copying, translation, modification on other use authorized. All rights reserved worldwide. • Tous droits de reproduction, de traduction, d'adaptation et d'exécution réservés pour tous les pays. • Sämtliche Urheberrechte an diesen Texten und Zeichnungen stehen uns zu. Nachdrucke, Vervielfältigungen - auch auszugsweise - nur mit unserer vorherigen Zustimmung zulässig. Alle Rechte vorbehalten. • I diritti di riproduzione, di traduzione, e esecuzione sono riservati per tutti i paesi. • Derechos de reproduccion, de traduccion, de adaptacion y de ejecucion reservados para todos los paises.

INHALTSVERZEICHNIS Seite

Abkürzungen **4**
Explosionszeichnung des Gerätes **5**
Service Setup Werte **6**

Service Hinweise **7-10**
Demontage des Gerätes 7
Austausch der Kopftrommeleinheit 8
Service Einstellungen (bis auf SENSAR Modelle) 8
Selbstdiagnose 8
Service Einstellungen für SENSAR Modelle 9-10

Elektrische Einstellungen **10-14**
Servoteil 11-12
Videosignalteil 13
OSD 14
Audio Signalverarbeitung 14

Verdrahtungsplan 15-23
Messungen Netzteil Interface / Tuner / ZF 24
Netzteil Interface / Tuner / ZF Schaltbild 25-32
Netzteil Schaltbild 33-36
Netzteil Leiterplatte 37
Netzteil Leiterplatte (Sensar) 38
Netzteil Schaltbild (Sensar) 39-40
Blockschaltbild Leiterplatte Zeichensatzeinblendung 41
Zeichensatzeinblendung Leiterplatte 42
Schaltbild Zeichensatzeinblendung 43-45
ZF 4101 / 4101A 46
ZF 4112 47
ZF 4153 M 48
Sub Modul SECAM 49-50
Bedienteil mit Display (Schaltbilder und Leiterplatten) 51-90
Audio / Scart (Schaltbilder, Messungen und Leiterplatten) 91-108
Hauptleiterplatte (1. Version) 109-112
Bauteil Koordinaten Hauptleiterplatte 113-114
Hauptleiterplatte (2. Version) 115-118
Blockschaltbild Mechaniksteuerung / Servo 119-120
Messungen Mechaniksteuerung / Servo 121-122
Mechaniksteuerung / Servo Schaltbild 123-126
Blockschaltbild Video Signalverarbeitung 127-128
Messungen Video Signalverarbeitung 129-130
Video Signalverarbeitung Schaltbild 131-154

Ersatzteile 155

INDEX	Page

Abbreviations 4
Video Recorder Overview 5
Service Setup Values 6

Service Notes 7-10
Disassembly 7
Exchange of the drum unit 8
Service Adjustments (except SENSAR models) 8
Auto Diagnostic 8
Service Adjustments for SENSAR models 9-10

Electrical adjustments 10-14
Servo Part 11-12
Video signal processing 13
OSD 14
Audio Signal processing 14

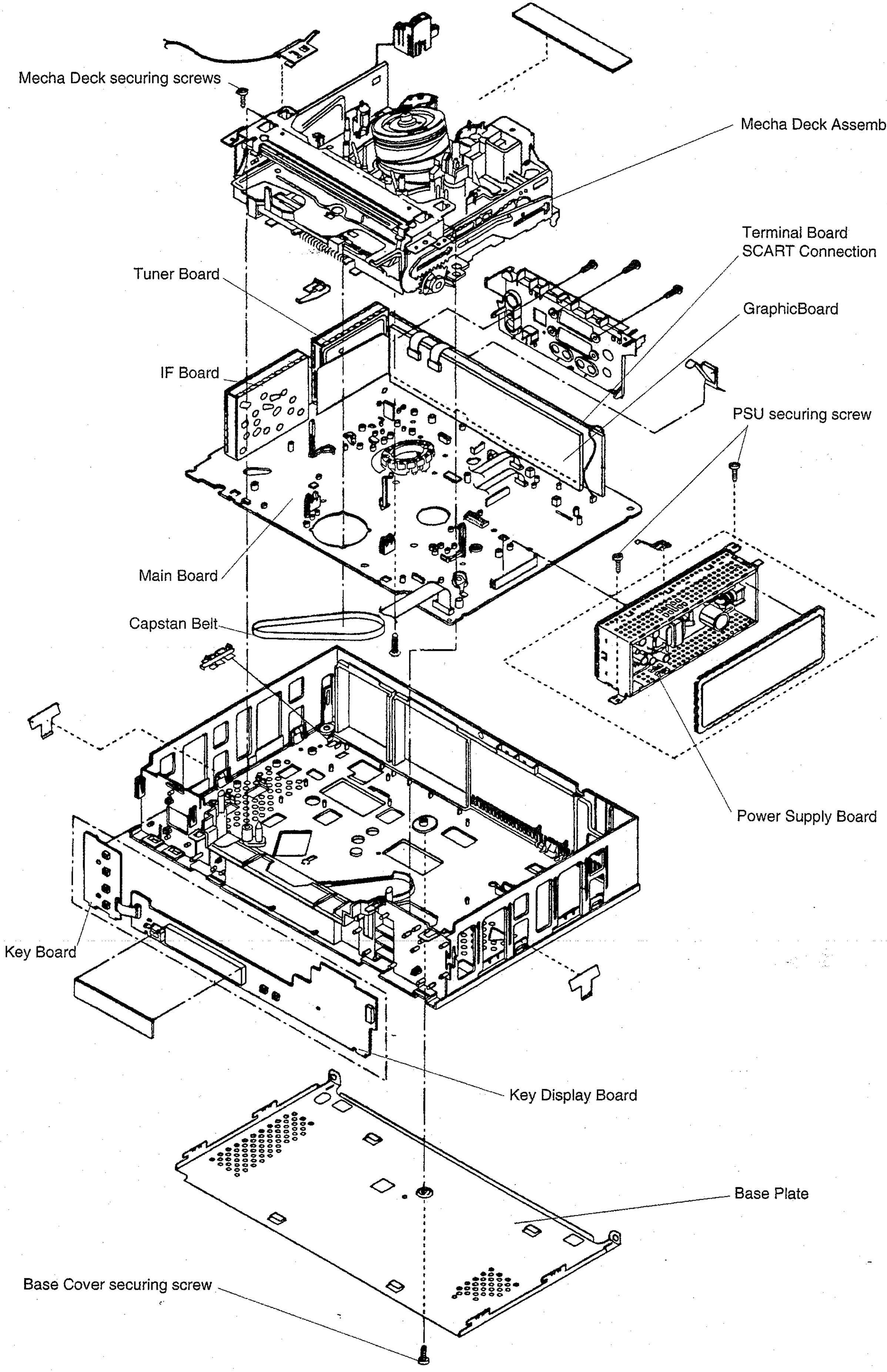
Wiring diagrams 15-23
Measurements Power Supply Interface / Tuner / IF Section 24
Power supply Interface / Tuner / IF section schematic diagrams 25-32
Power supply schematic diagrams 33-36
Power supply board 37
Power supply board (Sensar) 38
Power supply schematic diagram (Sensar) 39-40
Graphic board (Icons) block diagram 41
Graphic board (P.C.B.) 42
Graphic board schematic diagram 43-45 if
IF 4101 / 4101A 46
IF 4112 47
IF 4153 M 48
SECAM sub board 49-50
Key / Display 51-90
Audio / SCART 91-108
Main P.C.B. (1st version) 109-112
Components location 113-114
Main P.C.B. (2nd version) 115-118
Mecha deck control / Servo control block diagram 119-120
Measurements mecha deck control / Servo control 121-122
Mecha deck control / Servo control schematic diagram 123-126
Video signal processing block diagram 127-128
Measurements Video signal processing 129-130
Video signal processing schematic diagrams 131-154

Spare Parts 155

ABBREVIATIONS / ABREVIATIONS / ABKÜRZUNGEN / ABREVIATURAS

AC	Alternating Current
ACC	Automatic Colour Control
ACK	Automatic Colour Killer
AD.REF	Analog/Digital Converter Reference
AE	Audio Erase
AFC	Automatic Frequency Control
AGC	Automatic Gain Control
A_IF	Audio IF
ALC	Automatic Level Control
AMP	Amplifier
APC	Automatic Phase Control
AP.CONT	Aperture Control
AV	Audio-Video
A/V SWP	Audio/Video Switching Point (DRUM FF)
B.EMPH	Burst Emphasis
B.DEEMPH	Burst Deemphasis
BG	Burst Gate
BID	Burst Identification
BLK	Blanking
BPF	Band Pass Filter
CAP	Capstan
CBC	Cable Box Control (Satellite Control)
CCD	Charge Coupled Device
CH	Channel
CFG	Capstan Frequency Generator
CLK	Clock
COMP	Comparator
CONV	Converter
CPWM	Capstan Pulse Width Modulation
C-REG	Capstan Regulation
CR	Color Rotary
CS	Chip Select
CSYNC	Composite Synch
CTL	Control
DC	Direct Current
D.LIM	Double Limiter
DEEMPH	Deemphasis
DET	Detector
D-FG	Drum Frequency Generator
DFF	Drum Flip Flop
DIF.EQ	Differential Equalizer
DIG	Digital
DLY	Delay
DOC	Drop Out Compensation
E-E	Electronic-Electronic
EMPH	Emphasis
ENV	Envelope
EP	Extended Play
EQ	Equalizer
F.E	Full Erase
F.REW	Fast Rewind
F.FWD	Fast Forward
F/R	Forward/Rewind
FCB	Front Connection Board
FF	Fast Forward
FG	Frequency Generator
FMCI	FM Carrier Interleave
FWD	Forward
GND	Ground
GCA	Gain Controlled Amplifier
HASEL	Head Amplifier Select
HAB	Head Amplifier Board
HD	Horizontal Synch Pulse
HPF	High Pass Filter
I.R	Infra Red
ID	Identification
INP/IN	Input
KDB	Key Display Board
LIM	Limiter
LP	Long Play
LPF	Low Pass Filter
MESECAM	Middle East Secam
NC	Noise Canceller
OSD	On Screen Display
PB	Play Back
PB_C	Play Back Chroma
PCB	Printed Circuit Board
PDC	Program Delivery Control
PG	Pulse Generator
PH	Pseudo Horizontal Synch
PIF	Picture IF
PLL	Phase Locked Loop
PS	Phase Switch
PV	Pseudo Vertical Synch
PWM	Pulse Width Modulation
RCU	Remote Control Unit
REC	Record
REC_C	Record Chroma
REW	Rewind
REV	Reverse
SCL	Serial Clock
SDA	Serial Data
SEC	SECAM
SU REEL	Supply Reel
SMPS	Switch Mode Power Supply
SP	Standard Play
SS	Synch Separator
SW	Switch
TU REEL	Take Up Reel
TMB	Terminal Board
VCA	Voltage Controlled Amplifier
VCO	Voltage Controlled Oscillator
VCR	Video Cassette Recorder
VD	Supply Voltage Digital
VE	Voltage (Ever)
V_ENV	Video Envelope
V_IF	Video IF
VS	Voltage (Switched)
VM	Motor Voltage (Drum & Loading motor)
VMC	Motor Voltage (Capstan motor)
VPS	Video Program System
W/D	White/Dark
Y/C	Luminance/Chrominance

VIDEO RECORDER OVERVIEW - LOCALISATION DES ELEMENTS - EXPLOSIONSZEICHNUNG DES GERÄTES - VISIONE GENERALE DELL'APPARECCHIO - VISTA AMPLIADA DEL CONJUNTO


Mecha Deck securing screws
Mecha Deck Assembly
Terminal Board
SCART Connection
Tuner Board
GraphicBoard
IF Board
PSU securing screw
Main Board
Capstan Belt
Power Supply Board
Key Board
Key Display Board
Base Plate
Base Cover securing screw

SERVICE SETUP VALUES - VALEURS DU SETUP (MODE SERVICE) - SERVICE MODE - VALORI SERVICE SETUP - VALORES DE CONFIGURACION DEL MODO SERVICIO

MODEL	SERVICE MODE																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
V 1250 SVM	1	1	0	8	2	2	1	6	0	0	0	1	1	1	2	4	0	8
V 1450 SVM	1	1	0	8	2	2	1	7	2	0	0	1	1	1	2	4	0	8
VR 7021	5	1	0	8	1	2	1	6	0	0	0	1	0	9	0	0	0	0
VR 7027	5	0	0	1	1	0	1	6	4	0	0	1	0	9	2	0	0	4
VR 7041	5	1	0	8	1	2	1	7	2	0	0	1	0	9	0	4	0	0
M 9523	5	0	0	1	1	0	1	6	4	4	0	1	0	9	2	0	0	4
M 9625	4	1	0	8	2	2	1	7	0	4	0	3	1	1	2	4	0	8
M 9655	4	1	0	8	2	2	2	1	2	4	0	3	1	1	2	4	0	9
T 8000	5	1	0	8	1	2	1	6	0	0	0	0	0	8	0	0	0	0
VP 2601	5	1	0	8	1	2	1	6	0	0	0	1	0	9	0	0	0	0
VP 2651	0	1	0	8	2	2	1	7	0	4	0	3	1	1	2	4	0	8
VP 4601	0	1	1	0	2	1	1	7	2	0	0	1	1	1	2	4	0	8
VP 4681	0	1	0	8	2	2	2	1	2	4	0	3	1	1	2	4	0	9

- Service Mode Werte werden nicht für Sensar Modelle angezeigt und können nicht geändert werden.
- Service Setup values are not displayed for SENSAR models and thus cannot be altered.

1. Service Hinweise

1.1 Demontage des Gerätes

1.1.1 Gehäuse

a) 5 Schrauben an der Rückseite des Gehäuses herausdrehen.
b) Die zwei seitlichen Schrauben herausdrehen
c) Das Gehäuseoberteil leicht nach hinten ziehen und anheben.

1.1.2 Frontblende

a) 2 Schrauben an der Oberseite links und rechts vom Cassettenfach herausdrehen.
b) 2 Kunststoffzungen an der Oberseite anheben.
c) 2 Kunststoffzungen an der Unterkante der Frontblende anheben und die Frontblende abnehmen.
Hinweis: Während des Wiedereinbaus der Frontblende, muß die Cassettenklappe hinter dem Hebel liegen, auf der rechten Seite des Cassettenschachtes (halten Sie die Cassettenklappe in horizontaler Lage beim Einfügen in die Frontblende).

1.1.3 Bedienteil - Platte (KDB)

a) Ziehen sie die Stecker BK14 und BK06 heraus.
b) 2 Rastnasen an der Oberkante der Bedienteil-Platte anheben und Platte nach vorne/oben herausheben.

1.1.4 Front-Anschlußplatte (nicht bei allen Geräten)

a) Lösen Sie 2 Verriegelungen am oberen Teil der Platte, ziehen Sie die Platte nach vorn/oben, um sie abzunehmen.

1.1.5 Bodenplatte

a) Eine Schraube aus der Bodenplatte entfernen.
b) Lösen Sie die Verriegelung in der Mitte der Abschirmung (in der viereckigen Öffnung), drücken Sie die Abschirmung nach hinten, um sie frei zu machen.

1.1.6 Netzteil

a) Entfernen Sie 2 Schrauben .
b) Ziehen Sie die komplette Stomversorgung heraus.

1.1.7 Hauptleiterplatte kpl. mit Laufwerk

(Mecha Deck)
a) Die Schraube in der Mitte der Bodenplatte von unten entfernen.
b) Frontblende entfernen und die Steckverbindungen auf der Bedienteil-Platte lösen.
c) 2 Schrauben links und rechts (von oben) des Laufwerks herausdrehen.
d) Lösen Sie 3 Verriegelungen, welche die Hauptleiterplatte halten.
e) Machen Sie die Verriegelung hinter dem Gerät los.
f) Ziehen Sie die gesamte Einheit (Hauptleiterplatte und Laufwerk) heraus .

1.1.8 Cassettenschacht

Vorher Pkt. 1.1.7 durchführen.
a) 2 Schrauben links und rechts am Cassettenschacht lösen.
b) Den oberen Teil des Cassettenschachtes abheben.
c) Den Cassettenhalter bis zum vorderen Anschlag zurückziehen.
d) Heben Sie den Cassettenschacht auf der Seite der Trommel leicht an.
e) Machen Sie die weißen Hebel frei (links und rechts des Cassettenschachtes) und drücken Sie den Cassettenschacht zur Trommel bis die Führungsblöcke (an der hinteren Seite) aus den Führungsschienen kommen.
f) Ziehen Sie jetzt Sie den Cassettenschacht in der entgegengesetzten Richtung bis die Führungsblöcke (an der Vorderseite) ebenfalls aus den Führungsschienen kommen.

1.1.9 Hauptleiterplatte vom Laufwerk trennen

Vorher Pkt. 1.1.7 durchführen.
a) Steckverbindungen BT002 (am Funktions-Kontroll-Motor), BV001 (Kopftrommel) und BS031.
b) Eine, mit einem Pfeil markierte Schraube, von der Lötseite der Hauptplatine herausdrehen.
c) Antriebsriemen entfernen.
d) Leiterplatte entrasten (4 Clips) und abnehmen.

1. Service Notes

1.1 Disassembly

1.1.1 Top cover

a) Remove 5 screws from the top cover.
b) Pull the top cover slightly backwards and lift it.

1.1.2 Front panel

a) Remove two screws on the front left and right side of the cassette housing.
b) Bend the 4 top hooks of the front panel upwards to disengage them from their chassis retainers.
c) Disengage two lower hooks of the front panel and pull the front panel forward and downward to remove.
d) Note: During reinstallation of the front panel, the cassette flap must be positioned behind the lever, on the right-hand side of the cassette holder (hold the flap in a horizontal position while engaging the front panel).

1.1.3 Key Display Board

a) Disconnect both cable connectors on the KDB.
b) Disengage 3 hooks on the upper edge of the KDB and remove the board in a forward and upward direction.

1.1.4 Front connection board (not in all cases)

a) Release the two clips at the upper edge of the board and remove the board in a forward and upward direction.
b) Disconnect the cable connections.

1.1.5 Bottom cover

a) Remove the centre securing screw from the base.
b) Press on the clip through the circular hole of the bottom cover, push the cover to the back and lift it.

1.1.6 Power Supply Assembly

a) Remove 2 screws.
b) Remove the Power Supply Assy.

1.1.7 Main board Assembly with Mecha Deck

a) Remove the centre securing screw from the base.
b) Remove the front panel and disconnect both cable connectors on the KDB.
c) Remove the front connector board.
d) Remove 2 screws on the left and right of the Mechadeck.
e) Release the 3 clips holding the main deck.
f) Pull out the cassette housing upwards to remove the Mecha Deck with the main board .

1.1.8 Cassette housing

In order to do this procedure, step 1.1.7 .must have been completed.
a) Remove two screws at the left and the right side of the upper part of the cassette holder.
b) Remove the upper part of the cassette holder
c) Pull the remaining part to the upper end position.(Eject)
d) Lift the cassette holder at the side near to the drum.
e) Release the white levers (left and right of the cassette holder) and push the cassette holder towards the drum until the guide pins at the rear side come out of the guide rails.
f) Now pull the cassette holder in the opposite direction until the guide pins at the front side also come out of the guide rails.

1.1.9 Separate Main board from Mecha Deck

In order to do this procedure, step 1.1.7 .must have been completed.
a) Disconnect the cable connection BT002 (function control motor), BV001 (drum motor), BS031 (ACE Head).
b) Turn over the assembly and place on a clean surface.
c) Rremove one screw marked with an arrow from the solder side of the main board.

1.2 Austausch der Kopftrommeleinheit

Hinweis:
Um den oberen Teil der Trommel auszuwechseln, beziehen Sie sich bitte auf das Handbuch:

«Mechanische Einstellungen R4000»

1.3 Service Einstellungen

1.3.1 Einrichten der Bedienteil-Software

Es ist notwendig den KDB-Prozessor über die bestehende Hardware-Konfiguration zu informieren. Dies wird bereits ab Werk konfiguriert und in den EEPROM abgelegt.

1. Videorecorder vom Netz trennen.
2. Tasten "-" und "+" an der Frontseite gedrückt halten und dabei den Recorder am Netz anschließen.
3. Auf dem TV-Schirm werden 18 Ziffern angezeigt, die den aktuellen Zustand des Gerätes anzeigen.
Im Display erscheint "SETUP".
In diesem SERVICE EINSTELLUNGS-Modus können gewisse Werte in Funktion spezifischer Charakteristika eingegeben werden. Die 18 Ziffern, die Ihrem Gerät entsprechen finden Sie auf Seite 9.
4. Die jeweils einzustellende Ziffer blinkt auf dem Bildschirm. Die Eingaben werden mit den Zifferntasten auf der Fernbedienung durchgeführt. Nachdem alle 18 Ziffern eingegeben wurden, blinkt die erste Ziffer wieder.
5. Um die neuen Einstellungen abzuspeichern, drücken Sie bitte die STOP Taste. Sie können den Service Mode auch verlassen, ohne abzuspeichern. Dazu drücken Sie bitte die EXIT Taste auf der Fernbedienung.
Wenn Sie die neuen Werte abgespeichert haben, dauert es einige Sekunden, bis diese in das EEPROM geschrieben sind. Während dieser Zeit bleibt das Display dunkel.
6. Die Taste "Schneller Vorlauf (>>)" dient zur Auswahl der zweiten Seite des Service Modes. Diese Seite enthält die Funktion «Auto Diagnose». Sie finden mehr Details im Paragraph 1.4.

Hinweis:
Nach der Änderung der Einstellungen im Service Mode ist es erforderlich, den Kopftrommel - Umschaltpunkt neu zu setzen.

1.3.2 Kopf-Trommel-Umschaltpunkt

Legen Sie eine schreibgeschützte Meßcasette in das Videogerät. Die Wiedergabe startet automatisch. Wenn «START. E ---» angezeigt wird, drücken Sie die «STATUS»Taste auf der Fernbedienung. Drücken Sie gleichzeitig die Tasten «+»,«-» danach «PLAY » auf der Frontseite (Halten Sie die drei Tasten fest). Es wird "EINST." angezeigt. Das Videogerät bleibt im Wiedergabebetrieb. Beenden Sie nach eingen Sekunden diese Einstellung durch Drücken von «PLAY » auf der Frontseite.
(Sehen Sie unter § 2.2.4 betr. der elektrischen Einstellungen nach)

1.3.3 Sprachumschaltung

Taste "STATUS" der Fernbedienung gedrückt halten, bis die gewünschte Sprache im Display und auf dem Bildschirm erscheint.

1.4 Auto-Diagnose

Wenn ein mechanischer Fehler auftritt oder nach einem Bedienungsfehler, wird eine Zahl von 10 Ziffern, welche die Fehlfunktion darstellt, im EEPROM gespeichert.
Die angezeigte Zahl auf dem Schirm kann durch Vergleich mit der Tabelle auf S.6 hilfreich sein, das aufgetretene Problem zu lösen.

1.4.1 Anzeige einer Fehlermeldung

Die Fehlermeldung kann auf 2 Arten erfolgen:
a) Wenn die Seite «SERVICE EINSTELLUNGEN» auf dem Schirm ist, drücken Sie «<< Schneller Vorlauf «>>» auf der Fernbedienung.
b) Im STOP oder STANDBY Modus, wenn keine Anzeige auf dem Schirm ist, drücken Sie mindestens 10 Sekunden auf LÖSCHEN.

d) Remove the capstan belt.
e) Release 4 clips and lift off the main PCB.

1.2 Exchange of the drum unit

Note: To exchange the upper part of the drum unit, refer to the service manual :

«R4000 Drum Disassembly / Assembly Service Manual»

1.3 Service Adjustments (non SENSAR models)

1.3.1 KDB Software Set-Up

It is necessary to inform the KDB processor which hardware configuration is present. This is done in the factory and the selections stored in the EEPROM.
After replacing IT 004 (EEPROM) it is necessary to do again this configuration. Operate by the following procedure:

1. Disconnect the VCR from the mains supply.
2. Press and hold both « - » and « +» keys, on the front panel of the VCR and reconnect the mains supply.
3. Release « - » and « +» keys.
4. On the TV screen 18 digits are displayed, these represent the actual SETUP values for the VCR.
The VCR will display **«SETUP»** . In this Service Mode, some VCR type specification settings can be altered. The values assigned to each bit of the 18 digit code are given on page 9 for each VCR model number.
5. The first digit to be modified will flash, its value is input via the numerical keys on the RCU.
After input of all 18 digits, the first digit will flash again.
6. To **store** the new settings, press the **"STOP"** key on the RCU. It takes a few seconds to initialise the EEPROM, during this time the display will remain dark.
7. To **exit** the service "SETUP" mode without storing the new values press the **"EXIT"** key on the RCU.
The **"FAST FORWARD"** key on the RCU is used to select the second page of the Service Mode.
This page is used for AUTO DIAGNOSTIC functions.
More dtails about this function can be found in section 1.4 below.

Important note:
After modification of the settings in the Service mode, it will be necessary to carry out adjustment of the HEAD SWITCHING POINT.

1.3.2 Head switching point

1. Insert a protected alignment test cassette into the VCR.
The VCR will automatically enter PLAYBACK mode.
2. When the VCR display shows **"PLAY E—"**, press the **"STATUS"** key on the RCU.
3. Next simultaneously press the «**+**», «**-**» and «**PLAY**»keys on the front panel of the VCR. (Hold this pressure)
The VCR display will indicates **ADJ**.
4. The VCR will stay in the PLAYBACK mode. After a few seconds, terminate the adjustment mode by pressing the «**PLAY**» key on the front panel of the VCR. (see section 2.2.4 of the Electrical Adjustments)

1.3.3 Language selection

To choose the display menus language, press and hold the **"STATUS"** key on the RCU.

1.4 Auto Diagnostic

When a mechanical problem or operating error occurs, a 10-digit number representing the malfunction is stored in the EEPROM memory.
This number is displayed on the screen , when analysed it will assist in finding a solution to the problem encountered.

1.4.1 Error Message Display

The error message can be displayed in two ways:
a) When in the service **"SETUP"** mode, pressing the FAST FORWARD key«>>» on the RCU.
b) In the **"STOP" or "STANDBY" MODE**, press and hold the **"ERASE"** key on the RCU for more than 10 seconds.

1.4.2 Interpretation der Fehlermeldung

Die Bedeutung der verschiedenen Ziffern, welche die Fehlermeldung darstellen, wird in nachstehender Tabelle gegeben.

1.4.2 Interpretation of Error Message

To interpretative the meaning of the error message, please refer to the table below.

Number of digit	Meaning	Value
1 and 2	Target mechadeck and current mechadeck positions	1 - Wind 2 - Stop 3 - Standby 3 - Play 4 - Rev 5 - Loading / Unloading 6 - Off 7 - Eject F - Initial
3 and 4	Task servo is performing	00 - Stop 01 - FRew 02 - FF 04 - Play 11 - Rev 12 - Cue 44 - Record 84 - Still C4 - Rec Pause 40 - Rec / Rec P 10 - Search mode
5,6 and 7,8	Task active prior to abnormal off	bit 0
	Normal	0000
	Record	0001
	Step	0004
	Off	0008
	Eject	0010
	Stop	0020
	Capbrake	0040
	Initial	0080
	Endless Record	0200
	Endless Play	0400
	Continuous	0800
	Wind	1000
	Search	2000
	Still	4000
	Play	8000
9 and 10	Abnormal flags	81 - Drum 82 - Left Reel 84 - Right Reel 88 - Task incomplete

1.5 Service Einstellungen für SENSAR Modelle

1.5.1 Einrichten der Bedienteil-Software

Der KDB Prozessor muß davon informiert werden, welche Gerätetype vorhanden ist. Dies wird im Werk vorgenommen und die entsprechende Eingabe wird im EEPROM abgespeichert.

Beim Austausch des IT 004 (EEPROM) muß der vorhandene Gerätetyp neu eingegeben werden. Dies funktioniert wie folgt:

1. Fernseher einschalten und Netzstecker des Recorders aus der Steckdose entfernen.
2. Auf der Frontplatte des Recorders die Tasten «**PLAY**» und «**STOP**» gedrückt halten und den Netzstecker wieder in die Netzsteckdose einstecken.
3. «**PLAY**»- und «**STOP**»- Tasten loslassen. Sie befinden sich im SET-UP Modus.
4. Auf dem Fernsehbildschirm erscheinen die 4 folgenden Werksnummern des Recorders :

R5049MS R5249G
R5019MS R5229G

5. Mittels der Fernbedienung wählen Sie, entsprechend der Modellnummer Ihres Gerätes, eine der folgenden Nummern aus:

R5049MS	für Modell	VP 4590 SENSAR
R5249G	für Modell	V 1445 SENSAR
R5019MS	für Modell	VP 2590 SENSAR
R5229G	für Modell	V 1255 SENSAR

1.5 Service Adjustments for Sensar models

1.5.1 KDB Software Set-Up

It is necessary to inform the KDB processor which hardware configuration is present. This is done in the factory and the selections stored in the EEPROM.

After replacing IT 004 (EEPROM) it is necessary to do again this configuration. Operate by the following procedure:

1. Disconnect the VCR from the mains supply.
2. Press and hold both « **PLAY** » and « **STOP**» keys, on the front panel of the VCR and reconnect the mains supply.
3. Release « **PLAY** » and « **STOP**» keys.
4. On the TV screen 4 factory references of VCR are displayed:

R 5049 MS R5249G
R5019MS R5229G

5. According to the VCR you own, select::

R 5049 MS	for	VP 4590 SENSAR
R 5249 G	for	V 1455 SENSAR
R 5019 MS	for	VP 2590 SENSAR
R 5229 G	for	V 1255 SENSAR

6. To store the configuration press the «**STOP**» key on the RCU.

7. To exit the service «SETUP» mode without storing the new values press the «**EXIT**» key on the RCU.

6. Zum Abspeichern der Einstellung drücken Sie die «**STOP**» Taste der Fernbedienung.
7. Zum Verlassen des SET-UP Modus ohne Abspeicherung der neuen Einstellung drücken Sie die «**EXIT**»-Taste der Fernbedienung.

Hinweis:
Nach einer Änderung der Konfiguration im Einstellmodus muß der Schaltpunkt der Wiedergabeköpfe neu eingestellt werden.

1.5.2 Einstellung des Schaltpunkts der Wiedergabeköpfe

1. Schreibgeschützte Spurausrichtungs-Testcassette in den Recorder einlegen. Er schaltet automatisch auf Wiedergabe.
2. An der Frontplatte des Geräts, die Taste «**PLAY ►** » drücken. Der Recorder schaltet auf «PAUSE».
3. An der Frontplatte nochmals auf «**PLAY ►** » drücken und Taste gedrückt halten.
4. An der Frontplatte jetzt zusätzlich «**STOP**» und «**STAND BY**» drücken und alle 3 Tasten gedrückt halten.
5. Der Recorder geht in den Einstellmodus.
6. Die 3 Tasten loslassen. Der Recorder bleibt im Wiedergabemodus (PLAYBACK).
7. Nach etwa 15 Sekunden können Sie den Testcassetten-Einstellvorgang durch Drücken der Taste «**PLAY ►** » an der Frontplatte des Recorders beenden. (siehe auch Kapitel 2.2.4 der elektrischen Einstellungen)

1.6 Selbstdiagnose

Sensar Modelle haben keine Selbstdiagnose.

Note:
After modification of the settings in the Service mode, it will be necessary to carry out adjustment of the HEAD SWITCHING POINT.

1.5.2 Head Switching Point Adjustment

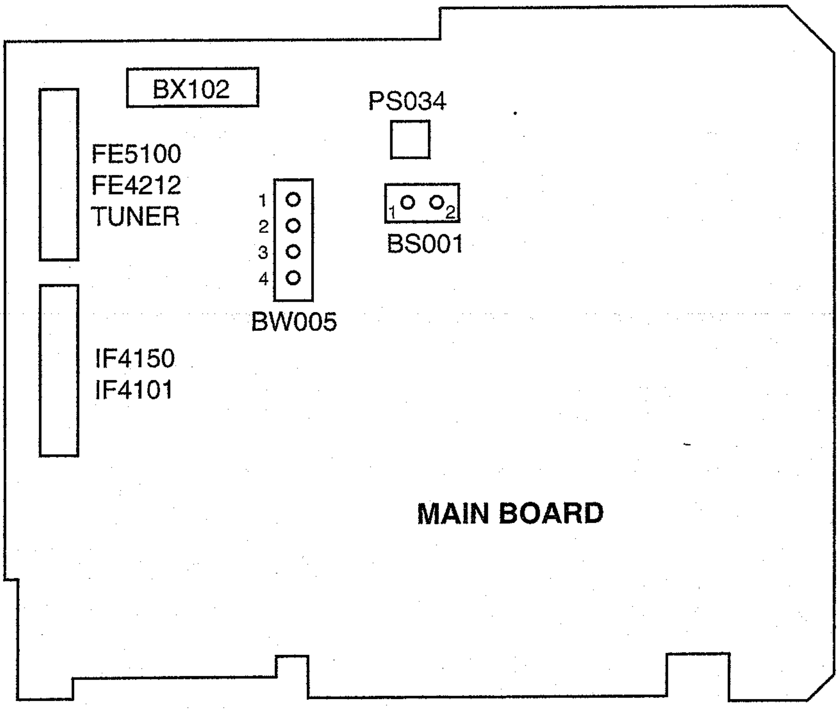
1. Insert a protected alignment test cassette into the VCR. The VCR will automatically enter PLAYBACK mode.
2. Press the «**PLAY ►** » key on the front panel: the VCR goes to PAUSE mode.
3. Press once more the « **PLAY ►** » key on the front panel of the VCR and hold this pressure.
4.Press the «**STOP**» and «**STAND BY**» keys on the front panel of the VCR .
5.The VCR goes to adjustment mode.
6.Release all the 3 keys.The VCR will stay in the PLAYBACK mode.
7.After about 15 seconds, terminate the adjustment mode by pressing the «**PLAY ►** » key on the front panel of the VCR. (see section 2.2.4 of the Electrical Adjustments)

1.6 Auto Diagnostic

There is no Auto Diagnostic Mode for Sensar models.

2. ELECTRICAL ADJUSTMENTS - ELEKTRISCHE EINSTELLUNGEN

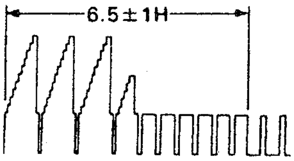
2.1. Test point and adjustment overview . Testpunkt- und Abgleich-Übersicht



2.2. Measurements Servo Part - Main board (No SENSAR models)
Messungen Servoteil - Hauptleiterplatte (Nicht für SENSAR Geräte)

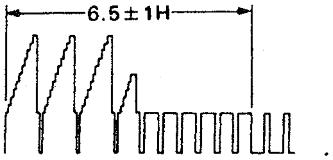
Note: low level < 0.8V; high level > 4.0V

Hinweis: L-Pegel < 0,8 Volt; H-Pegel > 4,0 Volt

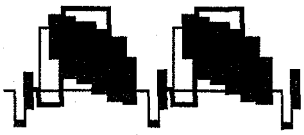
N°	Item Einstellung	Mode & signal Betriebs-art	Test equipment Input signal Meßmittel Eingangssignal	Test point Meßpunkt	Adjustment Point Einstell-Punkt	Description Beschreibung
2.2.1	Oscillator frequency	SETUP MODE	Frequency counter	IT001 (pin 63)	PT001	Adjust for 4 MHz ± 40 Hz
	Oszillator Frequenz	Service Einstellungs Modus	Frequenz-zähler	IT001 (pin 63)	PT001	4 MHz ± 40 Hz einstellen
2.2.2	Drum FF (A / V SWP)	REC/PB	Oscilloscope	BW005 / 3	None	Confirm 25 Hz signal
	Kopftrommel-Flip-Flop	REC/PB	Oszilloskop	BW005 / 3	Kein Abgleich	25 Hz Signal überprüfen
2.2.3	Capstan FG frequency	PB / REC (SP)	Frequency counter	IT001 (pin 44)	None	Confirm 757 Hz ± 10 Hz
	Capstan FG Frequenz	PB / REC (SP)	Frequenz-zähler	IT001 (pin 44)	Kein Abgleich	757 Hz ± 10 Hz überprüfen
2.2.4	Head switching point	PB	Dual trace Oscilloscope Trigger ext. BW005/3 (Drum FF)	SCART AV1 (pin 19)	Adjustment by software setup	1. Insert alignment cassette. 2. When the display shows «PLAY E----» press the STATUS key on the RCU. 3. Press simultaneously«+» , «-» and «PLAY» key on the front panel. 4. Display shows «ADJ». 5. Confirm that the head switching point is 6.5 H ± 1H before vert. sync. 6. Terminate adjustment by pressing the «Play» key on the front panel. 
	Kopf-Trommel-Umschaltpunkt	PB	Zweistrahl-Oszilloskop; Externer Triggerpkt. BW005/3 (Drum FF)	SCART AV1 (pin 19)	Software-Einstellung	1. Geschützte Meßcassette einlegen 2. Taste "STATUS" auf Fernbedienung drücken, sobald Display "PLAY E---" anzeigt. 3. Tasten "+" und "-" gedrückt halten und zusätzlich Taste "PLAY ▶ " drücken. 4. Display zeigt "ADJ". 5. Prüfen, ob Kopfumschaltpunkt 6,5 H ±1 H vor dem Vertikal-Synchronimpuls liegt. 6. Beenden Sie die Einstellung durch Drücken der Taste "PLAY ▶ " des Videorecorders.

2.3. Measurements Servo Part - Main board (Sensar Models)
Messungen Servoteil - Hauptleiterplatte (Sensar Modelle)

Note: low level < 0.8V; high level > 4.0V   Hinweis: L-Pegel < 0,8 Volt; H-Pegel > 4,0 Volt

N°	Item Einstellung	Mode & signal Betriebs-art	Test equipment Input signal Meßmittel Eingangssignal	Test point Meßpunkt	Adjustment Point Einstell-Punkt	Description Beschreibung
2.3.1	Oscillator frequency	Setup mode	Frequency counter	IT 001 pin 63	PT 101	Set in SERVICE MODE Adjust for 4 MHz ± 40 Hz
	Oszillator Frequenz	Service Einstellungs Modus	Frequenz-zähler	IT001 (pin 63)	PT001	4 MHz ± 40 Hz einstellen
2.3.2	Drum FF (A / V SWP)	REC / PB	Oscilloscope	BW005 / 3 (test connector)	None	Confirm 25 Hz signal
	Kopftrommel-Flip-Flop	REC/PB	Oszilloskop	BW005 / 3	Kein Abgleich	25 Hz Signal überprüfen
2.3.3	Capstan FG frequency	PB / REC (SP)	Frequency counter	IT001 (pin 44)	None	Confirm 757 Hz ± 10 Hz
	Capstan FG Frequenz	PB / REC (SP)	Frequenz-zähler	IT001 (pin 44)	Kein Abgleich	757 Hz ± 10 Hz überprüfen
2.3.4	Head switching point	PB	Dual trace Oscilloscope Trigger ext. BW005/3 (Drum FF)	SCART AV1 (pin 19)	Adjustment by software setup	1. Insert alignment test cassette. 2. Press the «PLAY» key on the front panel. 3.Press once more the «PLAY» key and hold this pressure. 4. Press simultaneously «STOP», and «STAND BY» keys on the front panel. 5. The VCR goes to adjustment mode. 6. Release all the 3 keys. 7. After about 15 seconds,terminate the adjustment by pressing the «PLAY» key on the front panel. 
	Kopf-Trommel-Umschaltpunkt	PB	Zweistrahl-Oszilloskop; Externer Triggerpkt. BW005/3 (Drum FF)	SCART AV1 (pin 19)	Software-Einstellung	1. Schreibgeschützte Spurausrichtungs-Testcassette in den Recoder einlegen. Er schaltet automatisch auf Wiedergabe. 2. An der Frontplatte des Geräts, die Taste «PLAY» drücken. Der Recorder schaltet auf «PAUSE». 3. An der Frontplatte nochmals auf «PLAY» drücken und Taste gedrückt halten. 4.An der Frontplatte jetzt zusätzlich «STOP» und STAND BY drücken und alle 3 Tasten gedrückt halten. 5.Der Recorder geht in den Einstellmodus. 6. Die 3 Tasten loslassen. Der Recorder bleibt im Wiedergabemodus (PLAYBACK) 7. Nach etwa 15 Sekunden können Sie den Testcasseten Einstellvorgang durch Drücken der Taste «PLAY» an der Frontplatte des Recorders beenden

2.4. Video signal processing (Main board)
Videosignalteil (Hauptleiterplatte)

N°	Item Einstellung	Mode & signal Betriebsart	Test equipment Input signal Meßmittel Eingangssignal	Test point Meßpunkt	Adjustment Point Einstell-Punkt	Description Beschreibung
2.4.1	EE Level	EE Colour bar 1Vpp (AV1 pin20)	Oscilloscope	AV1 pin 19 (without load)	None	Check for 2.0Vpp±0.1Vpp 
	E-E - Pegel	E-E Farbbalken, 1V ss (AV1 pin20)	Oszilloskop	Anschluß 19 von AV1 ohne Scartstecker	Kein Abgleich	2.0 Vss ±0,1 Vss messen
2.4..2	FM REC level	REC without signal	Oscilloscope	TV200 (emitter)	None	Check for 300mVpp
	FM-Aufnahme-Pegel	REC ohne Signal	Oszilloskop	TV200 (Emitter)	Kein Abgleich	300 mVss überprüfen
2.4.3	PAL chroma REC level	REC PAL colour bar 1Vpp (AV1 pin20)	Oscilloscope	IV001 (pin 38)	None	Check for 200mVpp±10% burst amplitude
	PAL Farbaufnahme-Pegel	REC PAL Farbbalken 1V ss (AV1 pin20)	Oszilloskop	IV001 (pin 38)	Kein Abgleich	200 mVss ±10 % Burstamplitude überprüfen
2.4.4 (Not for all sets)	SECAM Anti Bell filter (1.0715 MHz)	REC SECAM colour bar 1Vpp (AV1 pin20)	Oscilloscope	3/BC100	PC103	Adjust such that the magenta bar in R-Y and B-Y have the same amplitude
Nur für Multi-standard-geräte	Anti Bell Filter SECAM (1.0715 MHz)	REC SECAM Farbbalken 1V ss (AV1 pin20)	Oszilloskop	3/BC100	PC103	So einstellen, dass die Magentabalken in R-Y und B-Y dieselbe Amplitude haben
2.4.5 (Not for all sets)	SECAM Bell filter (4.286 MHz)	REC SECAM col. 1Vpp (AV1 pin20)	Oscilloscope	IC100 (pin 26)	PC104	Adjust such that the magenta bar in R-Y and B-Y have the same amplitude
Nur für Multi-standard-geräte	Bell Filter SECAM (4.286 MHz)	Farbbalken 1V ss (AV1 pin20)	Oszilloskop coul. 1Vpp	IC100 (pin 26)	PC104	So einstellen, daß die Magentabalken in R-Y und B-Y dieselbe Amplitude haben
2.4.6 (Not for all sets)	SECAM chroma REC level	REC SECAM colour bar 1Vpp (AV1 pin20)	Oscilloscope	3/BC100	None	Check for 100mVpp±10% magenta bar amplitude
Nur für Multi-standard-geräte	SECAM Farbaufnahme-Pegel	REC SECAM Farbbalken 1V ss (AV1 pin20)	Oszilloskop	3/BC100	Kein Abgleich	Magenta Farbbalken auf eine Amplitude von 100 mVss ±10 % überprüfen

2.5. On screen display (Main board)
OSD - Hauptleiterplatte

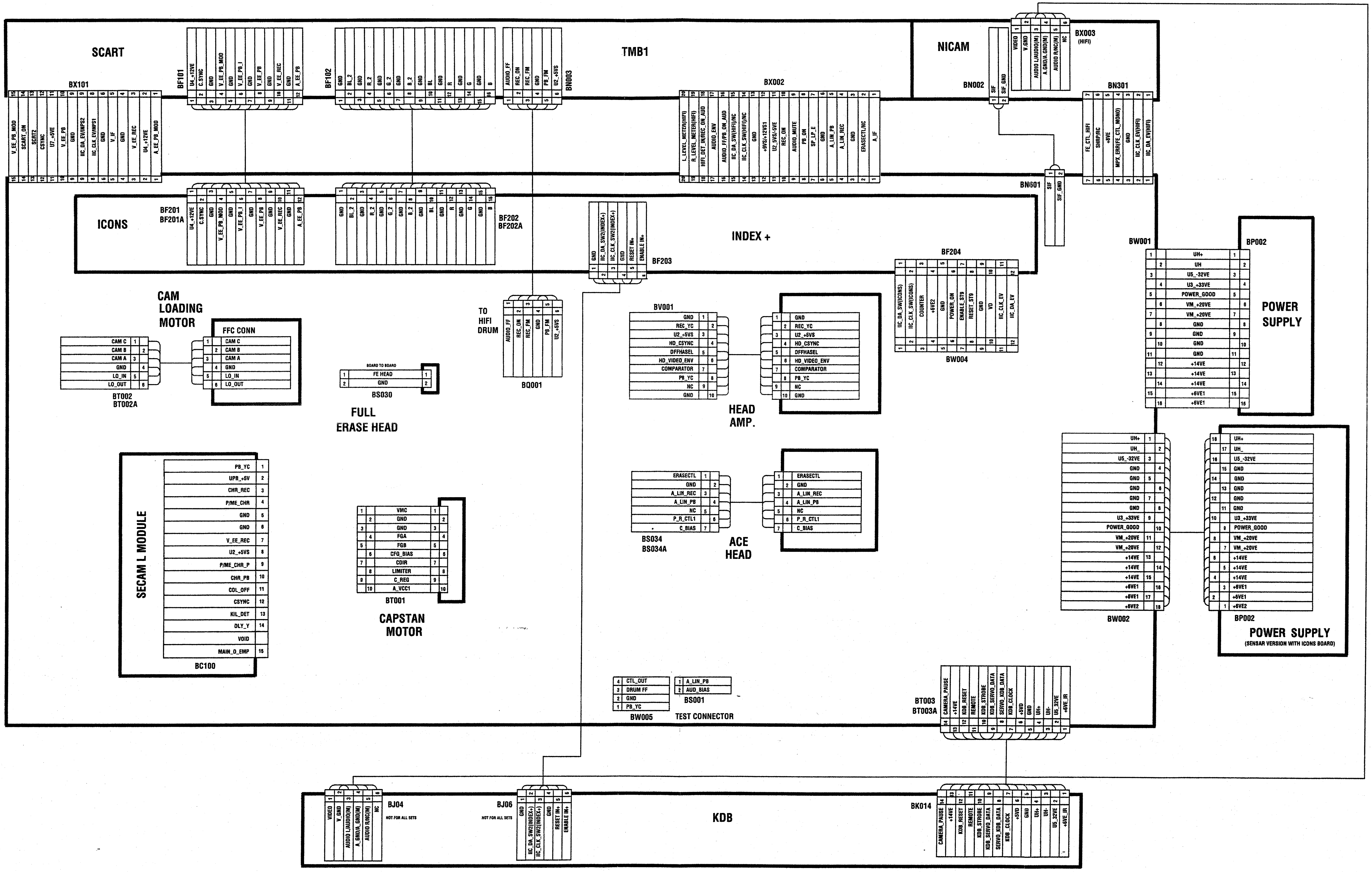
N°	Item Einstellung	Mode & signal Betriebs-art	Test equipment Input signal Meßmittel Eingangssignal	Test point Meßpunkt	Adjustment Point Einstell-Punkt	Description Beschreibung
2.5.1	OSD chroma oscillator OSD Chroma-Oscillator		Frequency counter Frequenzzähler	Via 4k7 to IT001 (pin78) pin78 IT001 über 4k7	None Kein Abgleich	Confirm 17.734475MHz±500Hz Überprüfen der 17,734475 MHz ± 500 Hz .

2.6. Audio signal processing (Main board) - Audio Signalverarbeitung-Hauptleiterplatte

N°	Item Einstellung	Mode & signal Betriebs-art	Test equipment Input signal Meßmittel Eingangssignal	Test point Meßpunkt	Adjustment Point Einstell-Punkt	Description Beschreibung
2.6.1	Bias oscillator frequency Löschoszillator Frequenz	REC (without signal) REC (ohne Signal)	frequency counter (high impedance probe) Frequenzzähler über 10:1 Tastkopf	BS031 / 1 BS031 / 1	None None	Check for 72 kHz ±7 kHz Prüfen, f = 72 kHz ±7 kHz
2.6.2	Bias level adjustment Vormagne-tisierungs-Einstellung	REC (without signal) REC (ohne Signal)	Oscilloscope Millivoltmeter Oszilloskop Milli-Voltmeter	BS031 / 3 BS001 1-2 BS031 / 3 BS001 1-2	PS034 PS034	Adjust for V = 60Vpp ±10V alternatively Adjust for V = 3mV ± 0.1mV Auf V = 60Vss ±10V einstellen alternativ Auf V = 3mV ± 0,1mV einstellen

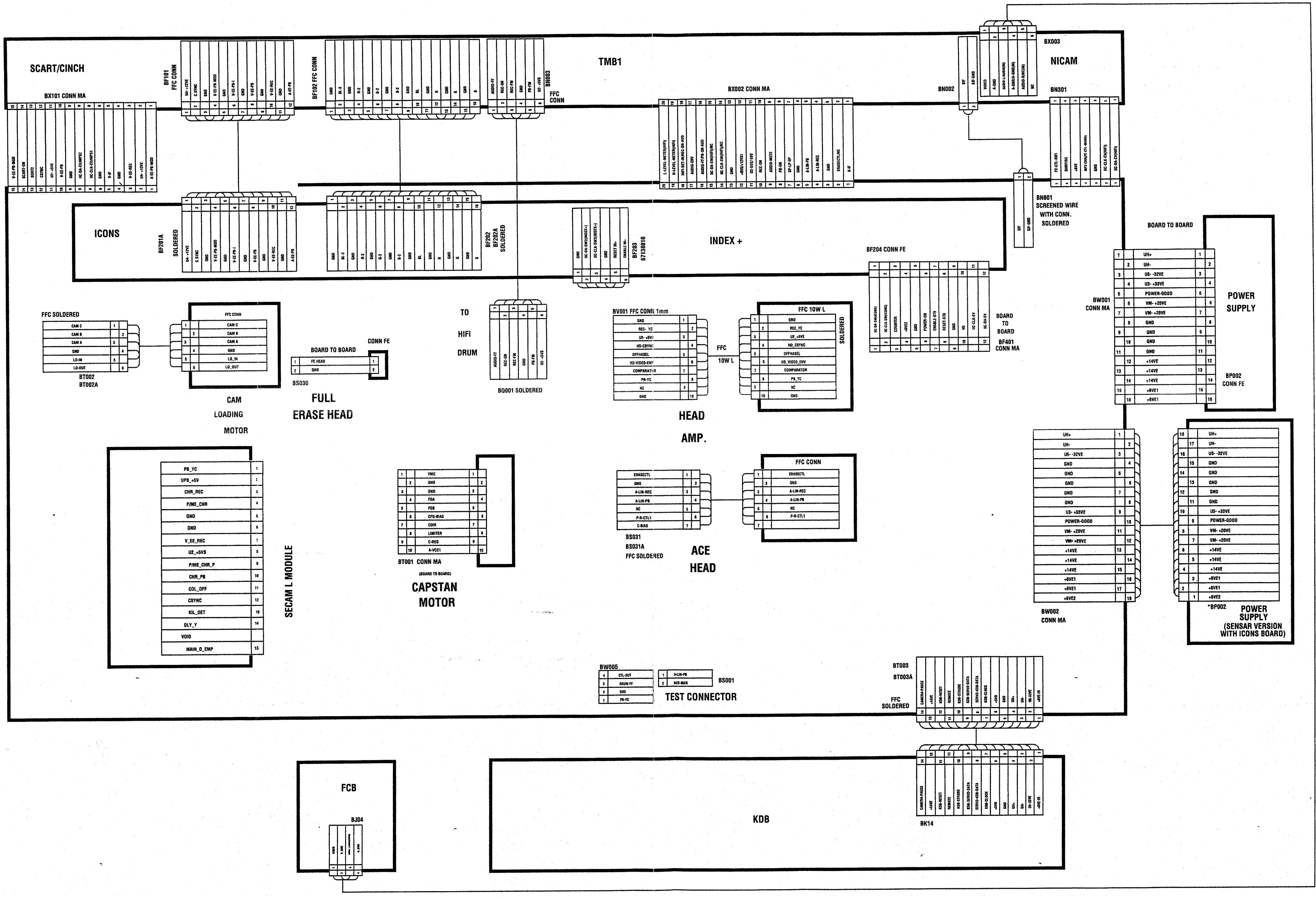
WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES

(M 9523 - M 9625 - M 9655 - T 8000 - VP 4601)


SCART
BX101
BF101
BF102
BN003
TMB1
BX002
NICAM
BN002
BX003
(HIFI)
BN301
BN601
ICONS
BF201
BF201A
BF202
BF202A
BF203
INDEX +
BF204
BW004
BW001
BP002
POWER SUPPLY
CAM LOADING MOTOR
FFC CONN
BT002
BT002A
BOARD TO BOARD
BS030
FULL ERASE HEAD
TO HIFI DRUM
BQ001
BV001
HEAD AMP.
BS034
BS034A
ACE HEAD
SECAM L MODULE
BC100
BT001
CAPSTAN MOTOR
BW002
BP002
POWER SUPPLY
(SENSAR VERSION WITH ICONS BOARD)
BW005
BS001
TEST CONNECTOR
BT003
BT003A
KDB
BJ04
NOT FOR ALL SETS
BJ06
NOT FOR ALL SETS
BK014

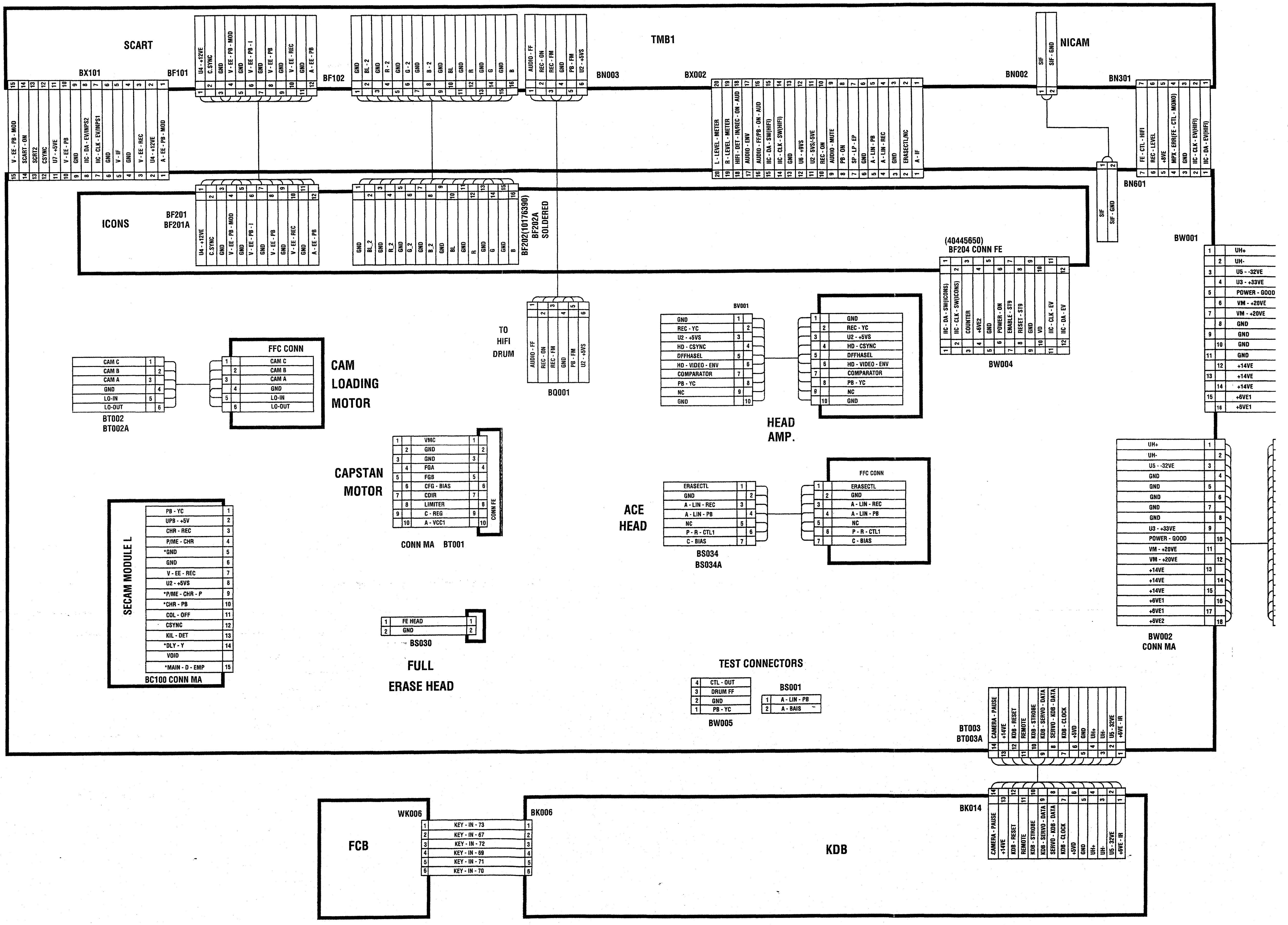
WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES

(V 1250 SVM - V 1450 SVM)

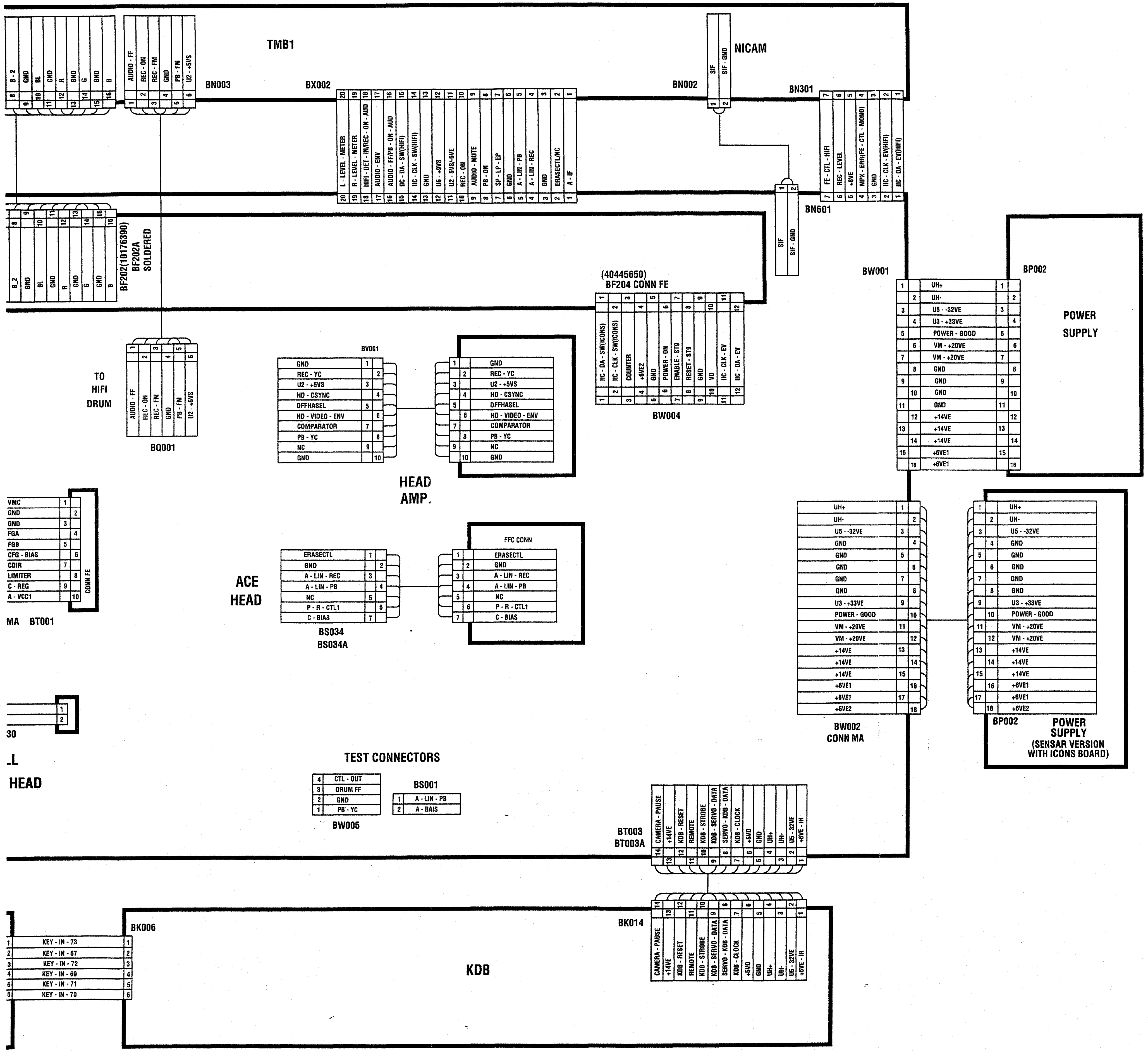

SCART/CINCH
BX101 CONN MA
BF101 FFC CONN
BF102 FFC CONN
BN003 FFC CONN
TMB1
BX002 CONN MA
BN002
BX003
NICAM
BN301
BN601 SCREENED WIRE WITH CONN. SOLDERED
ICONS
BF201A SOLDERED
BF202 BF202A SOLDERED
BF203 67138010
INDEX +
BF204 CONN FE
BOARD TO BOARD
BW001 CONN MA
POWER SUPPLY
BP002 CONN FE
FFC SOLDERED
FFC CONN
BT002 BT002A
CAM LOADING MOTOR
BOARD TO BOARD
CONN FE
BS030
FULL ERASE HEAD
TO HIFI DRUM
BQ001 SOLDERED
BV001 FFC CONN 1mm
FFC 10W L
FFC 10W L
SOLDERED
HEAD AMP.
BOARD TO BOARD BF401 CONN MA
SECAM L MODULE
PB_YC
UPB_+5V
CHR_REC
P/ME_CHR
GND
GND
V_EE_REC
U2_+5VS
P/ME_CHR_P
CHR_PB
COL_OFF
CSYNC
KIL_DET
DLY_Y
VOID
MAIN_D_EMP
BT001 CONN MA
(BOARD TO BOARD)
CAPSTAN MOTOR
FFC CONN
BS031 BS031A FFC SOLDERED
ACE HEAD
BW002 CONN MA
*BP002 POWER SUPPLY (SENSAR VERSION WITH ICONS BOARD)
BW005
BS001
TEST CONNECTOR
BT003 BT003A
FFC SOLDERED
FCB
BJ04
KDB
BK14

WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES

(VR 7027)

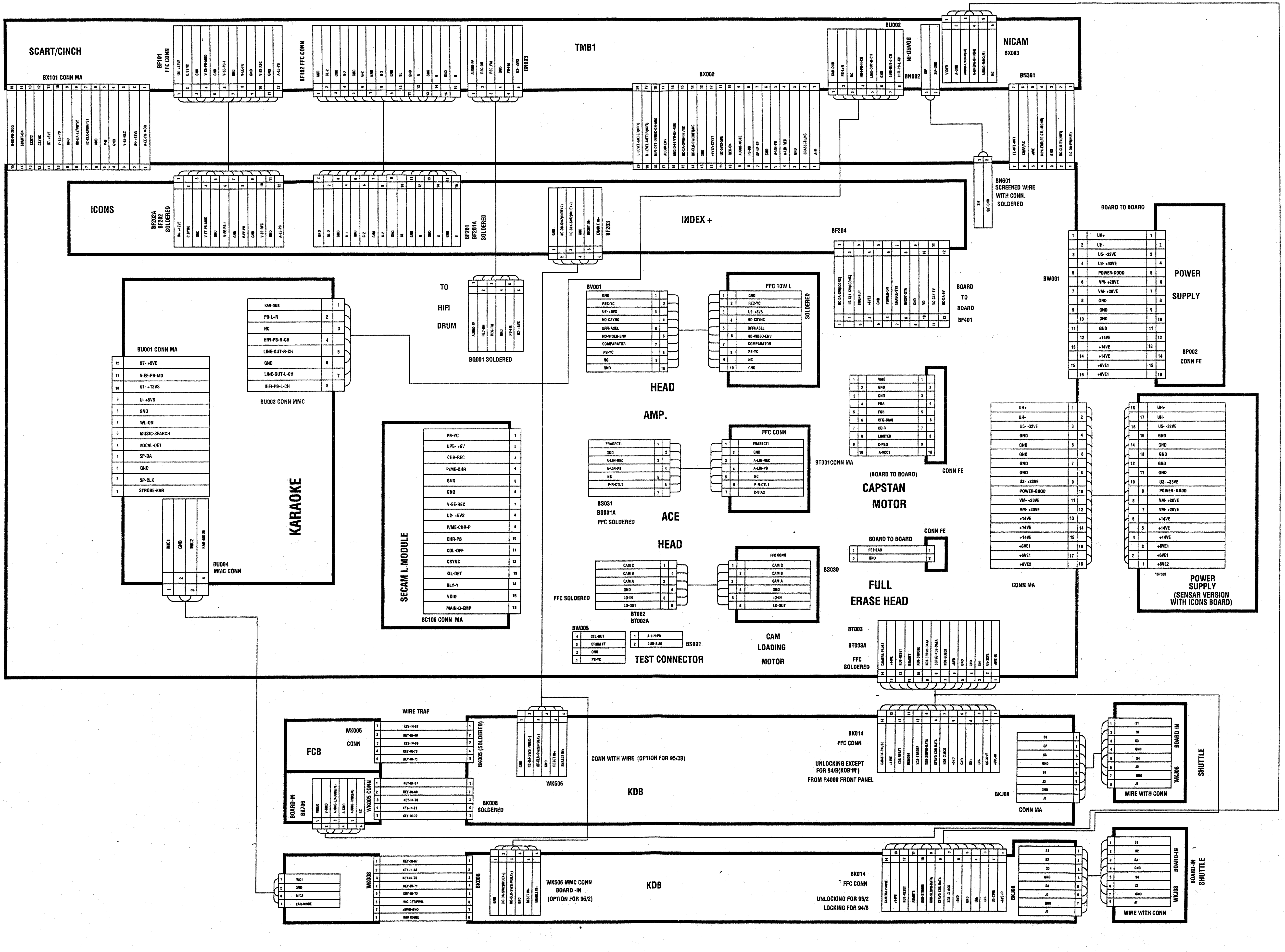

SCART
BX101
BF101
BF102
BN003
TMB1
BX002
BN002
NICAM
BN301
BN601
ICONS
BF201
BF201A
BF202(10176390)
BF202A
SOLDERED
(40445650)
BF204 CONN FE
BW004
BW001
TO HIFI DRUM
BQ001
BV001
HEAD AMP.
FFC CONN
CAM LOADING MOTOR
BT002
BT002A
CAPSTAN MOTOR
CONN MA BT001
CONN FE
ACE HEAD
BS034
BS034A
SECAM MODULE L
BC100 CONN MA
FE HEAD
BS030
FULL ERASE HEAD
TEST CONNECTORS
BW005
BS001
BW002
CONN MA
BT003
BT003A
BK014
FCB
WK006
BK006
KDB

TUNGSPLAN - DIAGRAMMA


TMB1
NICAM
SIF
SIF - GND
BN003
BX002
BN002
BN301
BN601
B - 2
GND
BL
GND
R
GND
G
GND
B
AUDIO - FF
REC - ON
REC - FM
GND
PB - FM
U2 - +5VS
L - LEVEL - METER
R - LEVEL - METER
HIFI - DET - IN/REC - ON - AUD
AUDIO - ENV
AUDIO - FF/PB - ON - AUD
IIC - DA - SW(HIFI)
IIC - CLK - SW(HIFI)
GND
U6 - +9VS
U2 - 5VS/-5VE
REC - ON
AUDIO - MUTE
PB - ON
SP - LP - EP
GND
A - LIN - PB
A - LIN - REC
GND
ERASECTL/NC
A - IF
FE - CTL - HIFI
REC - LEVEL
+8VE
MPX - ERR(FE - CTL - MONO)
GND
IIC - CLK - EV(HIFI)
IIC - DA - EV(HIFI)
BF202(10176390)
BF202A
SOLDERED
(40445650)
BF204 CONN FE
IIC - DA - SW(ICONS)
IIC - CLK - SW(ICONS)
COUNTER
+6VE2
GND
POWER - ON
ENABLE - ST9
RESET - ST9
GND
VD
IIC - CLK - EV
IIC - DA - EV
BW004
TO
HIFI
DRUM
BQ001
BV001
REC - YC
U2 - +5VS
HD - CSYNC
DFFHASEL
HD - VIDEO - ENV
COMPARATOR
PB - YC
NC
HEAD
AMP.
VMC
FGA
FGB
CFG - BIAS
CDIR
LIMITER
C - REG
A - VCC1
CONN FE
MA
BT001
ACE
HEAD
ERASECTL
P - R - CTL1
C - BIAS
FFC CONN
BS034
BS034A
30
HEAD
TEST CONNECTORS
CTL - OUT
DRUM FF
BW005
BS001
A - BAIS
BW001
BP002
UH+
UH-
U5 - -32VE
U3 - +33VE
POWER - GOOD
VM - +20VE
+14VE
+6VE1
+6VE2
POWER
SUPPLY
BW002
CONN MA
POWER
SUPPLY
(SENSAR VERSION
WITH ICONS BOARD)
BT003
BT003A
CAMERA - PAUSE
KDB - RESET
REMOTE
KDB - STROBE
KDB - SERVO - DATA
SERVO - KDB - DATA
KDB - CLOCK
+5VD
U5 - 32VE
+6VE - IR
BK014
BK006
KEY - IN - 73
KEY - IN - 67
KEY - IN - 72
KEY - IN - 69
KEY - IN - 71
KEY - IN - 70
KDB

WIRING DIAGRAM - SCHEMA D'INTERCONNEXIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES

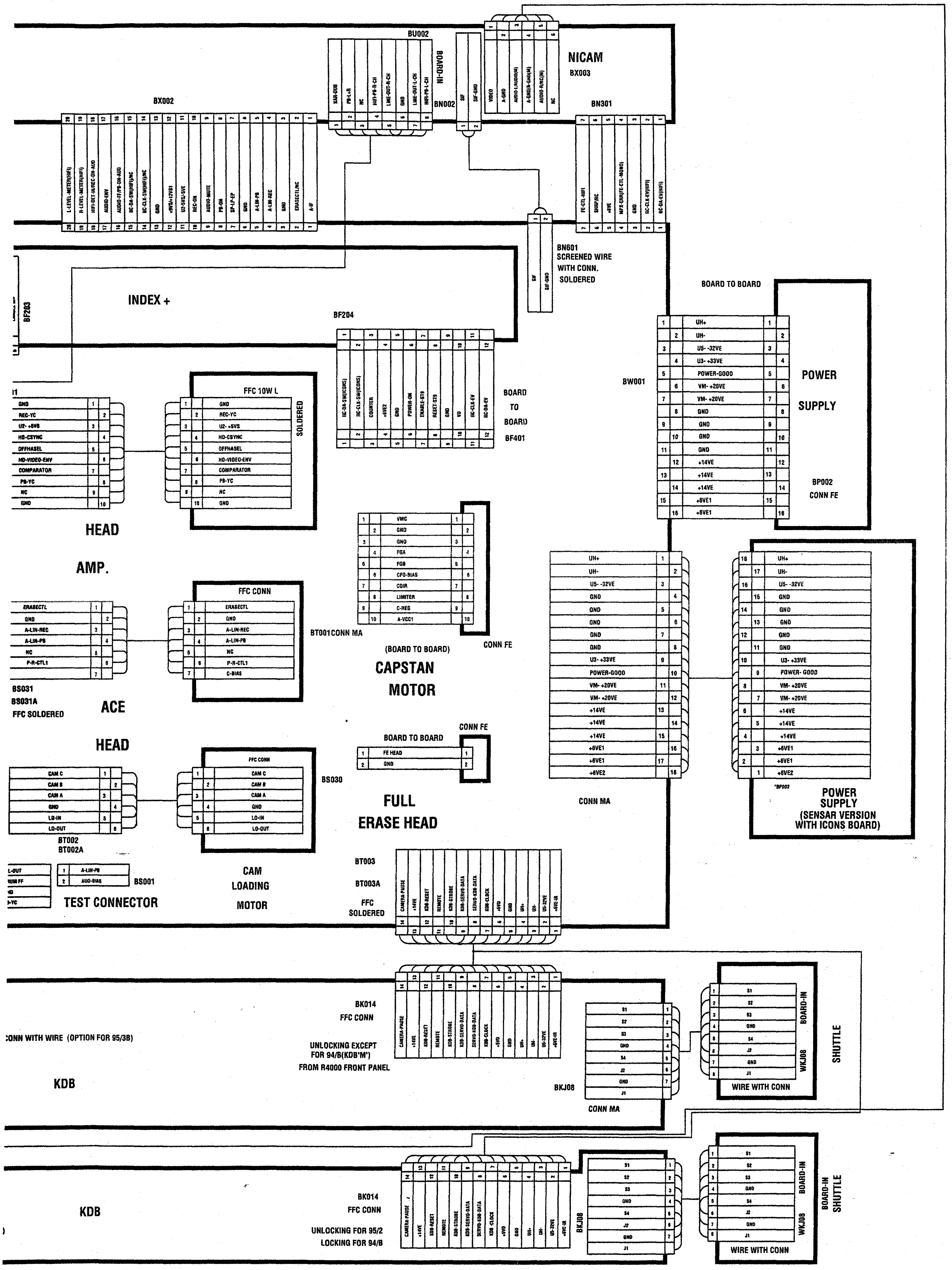
(VP 2601 - VP 2651 - VP 4681 - V 1455 SENSAR - VR 7021 - VR 7041))


SCART/CINCH
BX101 CONN MA
BF101 FFC CONN
BF102 FFC CONN
BN003
TMB1
BX002
BU002
BOARD-IN
BN002
NICAM
BX003
BN301
BN601 SCREENED WIRE WITH CONN. SOLDERED
ICONS
BF202A BF202 SOLDERED
BF201 BF201A SOLDERED
BF203
INDEX +
BF204
BOARD TO BOARD
BF401
BOARD TO BOARD
BW001
POWER SUPPLY
BP002 CONN FE
TO HIFI DRUM
BQ001 SOLDERED
BV001
FFC 10W L
SOLDERED
HEAD AMP.
BU001 CONN MA
BU003 CONN MMC
KARAOKE
BU004 MMC CONN
SECAM L MODULE
BC100 CONN MA
BS031 BS031A FFC SOLDERED
ACE HEAD
FFC CONN
BT001CONN MA
(BOARD TO BOARD)
CAPSTAN MOTOR
CONN FE
BOARD TO BOARD
CONN FE
FULL ERASE HEAD
BS030
FFC SOLDERED
BT002 BT002A
CAM LOADING MOTOR
BW005
BS001
TEST CONNECTOR
BT003 BT003A FFC SOLDERED
CONN MA
POWER SUPPLY (SENSAR VERSION WITH ICONS BOARD)
WIRE TRAP
FCB
WK005 CONN
BK005 (SOLDERED)
WK506
CONN WITH WIRE (OPTION FOR 95/28)
KDB
BK014 FFC CONN
UNLOCKING EXCEPT FOR 94/B(KDB'M') FROM R4000 FRONT PANEL
BKJ08
CONN MA
WIRE WITH CONN
WKJ08
BOARD-IN
SHUTTLE
BOARD-IN BK706
WK005 CONN
BK008 SOLDERED
WK008
BK008
WK508 MMC CONN BOARD -IN (OPTION FOR 95/2)
KDB
BK014 FFC CONN
UNLOCKING FOR 95/2 LOCKING FOR 94/8
BKJ08
WIRE WITH CONN
WKJ08
BOARD-IN
SHUTTLE

MEAS
INT
MI

INTERFA	
LOC	
TUNER SENSAR	
IF SENSAR	
IS101	
IS102	

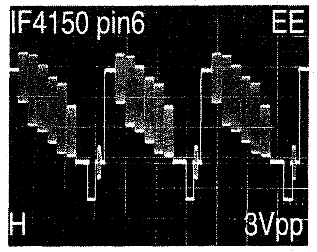
ƎSPLAN - DIAGRAMMA

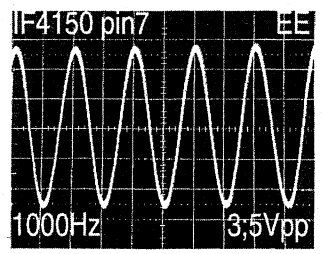


BU002
BOARD-IN
NICAM
BX003
BX002
BN002
BN301
BN601
SCREENED WIRE
WITH CONN.
SOLDERED
INDEX +
BF203
BF204
BOARD TO BOARD
BOARD TO BOARD BF401
BW001
POWER SUPPLY
BP002 CONN FE
FFC 10W L
SOLDERED
HEAD
AMP.
FFC CONN
BT001CONN MA
(BOARD TO BOARD)
CONN FE
CAPSTAN
MOTOR
BS031
BS031A
FFC SOLDERED
ACE
HEAD
BOARD TO BOARD
CONN FE
FULL
ERASE HEAD
BS030
CONN MA
POWER SUPPLY (SENSAR VERSION WITH ICONS BOARD)
BT002
BT002A
BS001
TEST CONNECTOR
CAM
LOADING
MOTOR
BT003
BT003A
FFC SOLDERED
BK014
FFC CONN
CONN WITH WIRE (OPTION FOR 95/38)
UNLOCKING EXCEPT FOR 94/B(KDB"M")
FROM R4000 FRONT PANEL
KDB
BKJ08
CONN MA
WIRE WITH CONN
WKJ08
BOARD-IN
SHUTTLE
BK014
FFC CONN
UNLOCKING FOR 95/2
LOCKING FOR 94/B
KDB
BKJ08
WKJ08
WIRE WITH CONN
BOARD-IN SHUTTLE

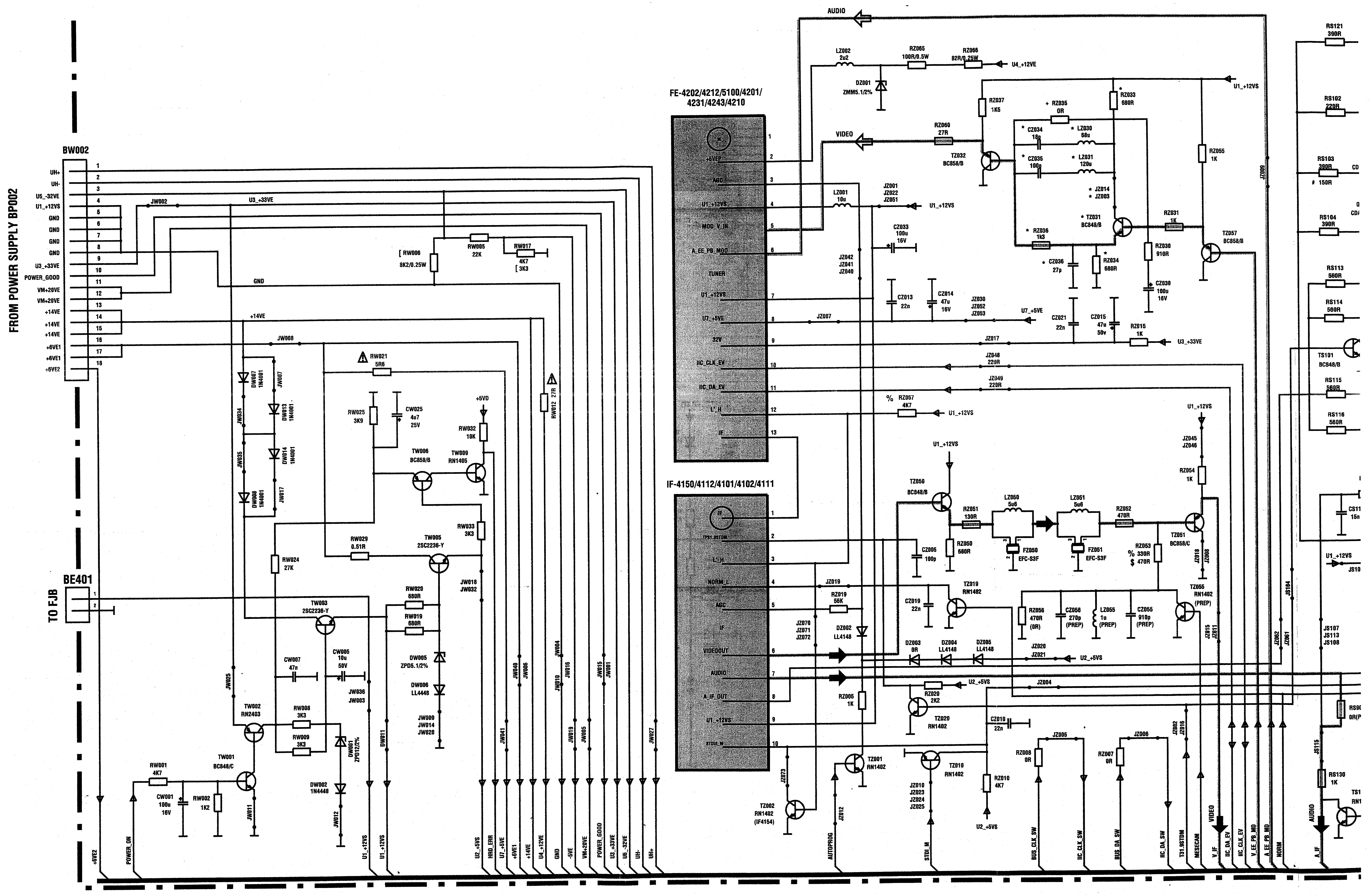
MEASUREMENTS POWER SUPPLY INTERFACE / TUNER / IF SECTION - MESURES INTERFACE / TUNER / IF - MESSUNGEN NETZTEIL INTERFACE / TUNER / ZF - MISURE INTERFACCIA ALIMENTAZIONE / TUNER / IF - MEDIDAS INTERFAZ ALIMENTACIÓN / TUNER / IF

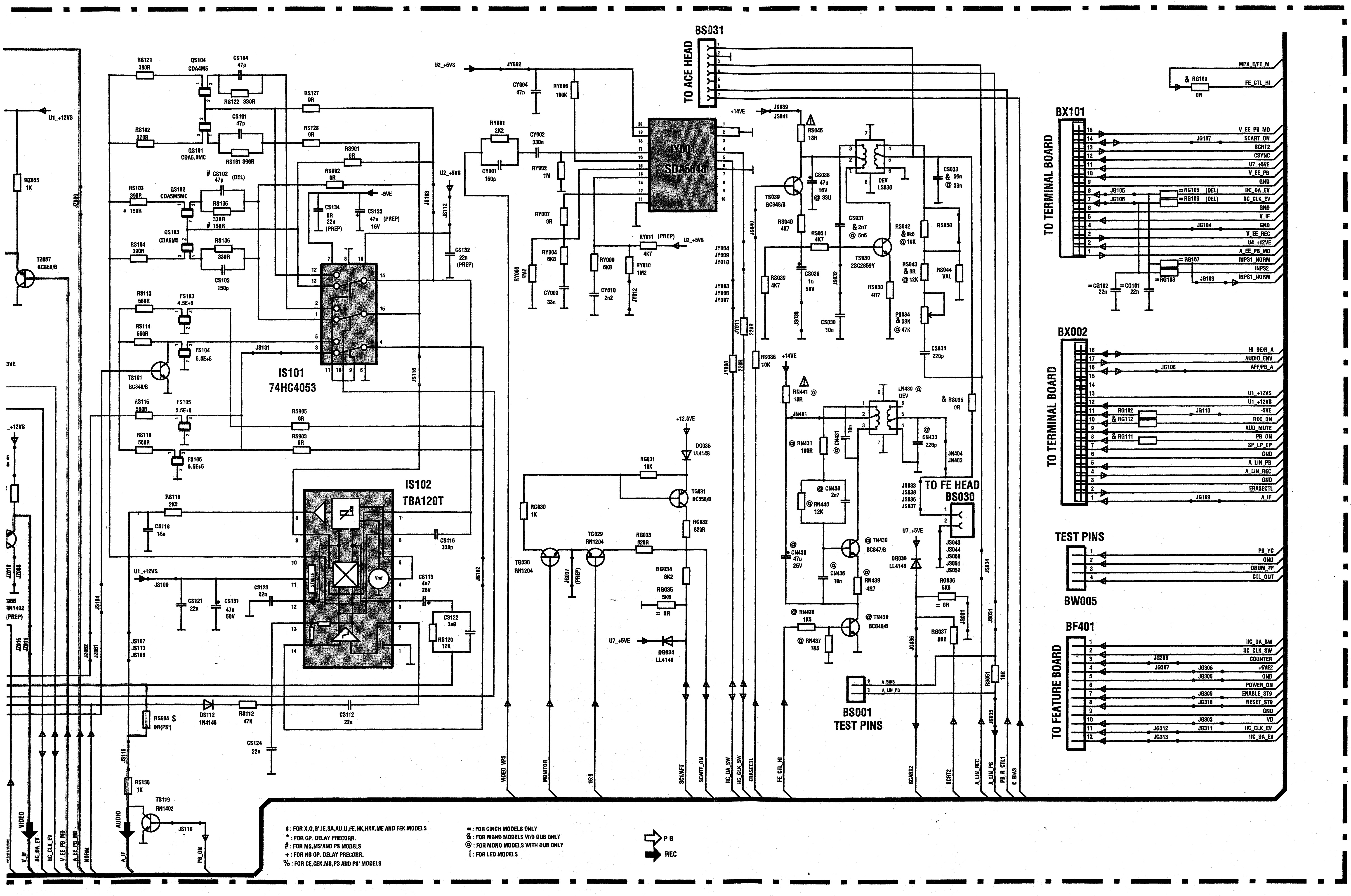
INTERFACE		MODE		
LOC	PIN	EE	PLAY	REC.
TUNER SENSAR	1	0	0	0
	2	4.8	4.8	4.8
	3	7.4	7.4	7.4
	4	12.1	12.1	12.1
	5	0	0	0
	6	0	0	0
	7	12.2	12.2	12.2
	8	5.5	5.5	5.5
	9	32	32	32
	10	4.8	4.8	4.8
	11	4.6	4.6	4.6
	12	1.2	1.2	1.2
	13	1.9	1.9	1.9
IF SENSAR	1	1.9	1.9	1.9
	2	4.3	4.3	4.3
	3	1.2	1.2	1.2
	4	0	0	0
	5	7.5	7.5	7.5
	6	5.8	5.8	5.8
	7	6.7	6.7	6.7
	8	0	0	0
	9	12.2	12.2	12.2
	10	0	0	0
IS101	1	3.2	3.2	3.2
	2	-	-	-
	3	3.5	3.5	3.5
	4	3.5	3.5	3.5
	5	-	-	-
	6	0	0	0
	7	5	5	5
	8	0	0	0
	9	0	0	0
	10	0	0	0
	11	0	0	0
	12	3.1	3.1	3.1
	13	3.1	3.1	3.1
	14	3.1	3.1	3.1
	15	3.2	3.2	3.2
	16	5	5	5
IS102	1	0	0	0
	2	2.4	2.4	2.4
	3	4.5	4.5	4.5
	4	5.2	5.2	5.2
	5	5.2	5.2	5.2
	6	2.4	2.4	2.4
	7	3.1	3.1	3.1
	8	4	4	4
	9	3.2	3.2	3.2
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	3.5	3.5	3.5
	14	3.5	3.5	3.5
TG029	E	0	0	0
	B	0	0	0
	C	10.6	11.4	10.7
TG030	E	0	0	0
	B	0	4.8	0
	C	12.4	0.2	12.4
TG031	E	12.4	12	12.4
	B	12.4	11.2	12.4
	C	10.6	12	10.7
TN430	E	13.6	13.6	0
	B	13.8	13.8	0
	C	13.9	13.9	13.8
TN439	E	0	0	0
	B	0	0	0.8
	C	13.5	13.5	0
TS030	E	0	0	0.2
	B	0	0	0.2
	C	13.9	13.9	13.4
TS039	E	0	0	4.3
	B	0	0	4.8
	C	13.9	13.9	13.4
TS119	E	0	0	0
	B	0	4.7	0
	C	4	0	4
TW001	E	0	0	0
	B	0.6	0.6	0.6
	C	0	0	0
TW002	E	33.5	33.5	33.5
	B	0	0	0
	C	33.5	33.5	33.5
TW003	E	12.2	12.2	12.2
	B	12.9	12.9	12.9
	C	12.4	12.4	12.4
TW005	E	5.1	5.1	5.1
	B	5.9	5.9	5.9
	C	5.5	5.5	5.5
TW006	E	4,2	4,2	4,2
	B	5.1	5.1	5.1
	C	0	0	0
TW009	E	0	0	0
	B	0	0	0
	C	5	5	5
TZ001	E	0	0	0
	B	0	0	0
	C	7.5	7.5	7.5
TZ019	E	0	0	0
	B	4.9	4.9	4.9
	C	0	0	0
TZ020	E	0	0	0
	B	0	0	0
	C	4.3	4.3	4.3
TZ031	E	1.8	1.8	1.8
	B	2.4	2.4	2.4
	C	10.5	10.5	10.5
TZ032	E	2.5	2.6	2.6
	B	1.8	1.9	2
	C	0	0.1	0
TZ050	E	5.2	5.2	5.2
	B	5.9	5.9	5.9
	C	12	12	12
TZ051	E	2.6	2.6	2.6
	B	1.9	1.9	1.9
	C	0	0	0
TZ057	E	2.6	2.6	2.6
	B	1.9	1.9	1.9
	C	0	0	0





POWER SUPPLY INTERFACE / TUNER / IF SECTION - INTERFACE ALIMENTATION / TUNER / FI - NETZTEIL INTERFACE / TUNER / ZF - INTERFACCIA ALIMENTAZIONE / TUNER / IF - INTERFAZ ALIMENTACIÓN / TUNER / IF

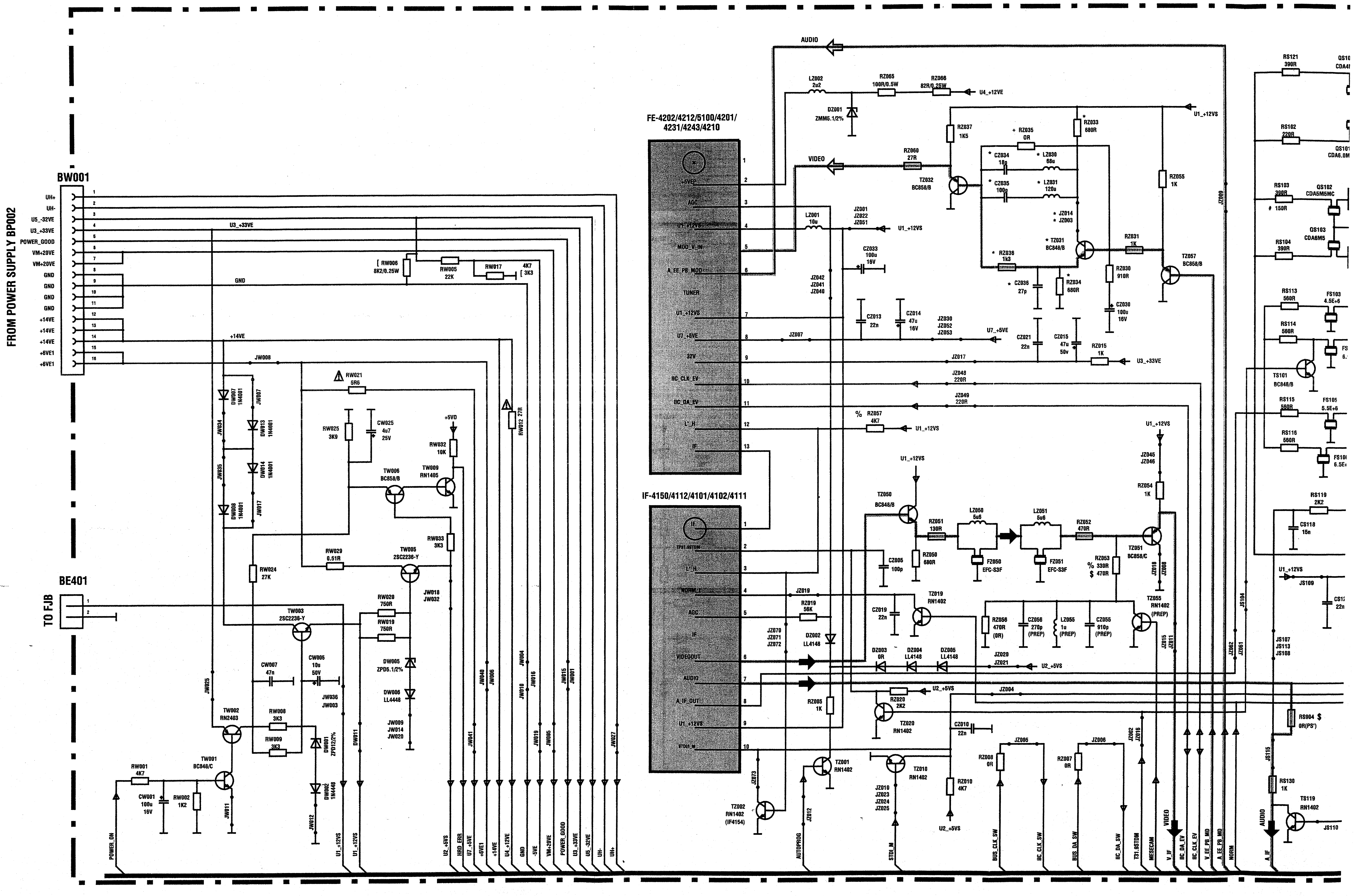

FROM POWER SUPPLY BP002
BW002
UH+
UH-
U5_-32VE
U1_+12VS
GND
U3_+33VE
POWER_GOOD
VM+20VE
+14VE
+6VE1
+6VE2
TO FJB
BE401
JW002
U3_+33VE
GND
+14VE
JW008
RW006 8K2/0.25W
RW005 22K
RW017 4K7 [3K3
RW021 5R6
RW025 3K9
CW025 4u7 25V
+5VD
RW032 10K
TW006 BC858/B
TW009 RN1405
RW012 27R
RW033 3K3
RW029 0.51R
TW005 2SC2236-Y
RW024 27K
RW020 680R
RW019 680R
TW003 2SC2236-Y
CW007 47n
CW005 10u 50V
DW005 ZPD5.1/2%
DW006 LL4448
RW008 3K3
RW009 3K3
DW001 ZPD12/2%
DW002 1N4448
TW002 RN2403
TW001 BC848/C
RW001 4K7
CW001 100u 16V
RW002 1K2
DW007 1N4001
DW013 1N4001
DW014 1N4001
DW008 1N4001
POWER_ON
U1_+12VS
U2_+5VS
HRD_ERR
U7_+5VE
+6VE1
+14VE
U4_+12VE
GND
-5VE
VM+20VE
POWER_GOOD
U3_+33VE
U5_-32VE
UH-
UH+
FE-4202/4212/5100/4201/4231/4243/4210
+5VEP
AGC
U1_+12VS
MOD_V_IN
A_EE_PB_MOD
TUNER
U7_+5VE
32V
IIC_CLK_EV
IIC_DA_EV
L'_H
IF
IF-4150/4112/4101/4102/4111
TP31_9STDM
NORM_L
VIDEOOUT
AUDIO
A_IF_OUT
STDM_M
AUDIO
VIDEO
LZ002 2u2
RZ065 100R/0.5W
RZ066 82R/0.25W
U4_+12VE
DZ001 ZMM5.1/2%
RZ037 1K5
RZ035 0R
RZ033 680R
U1_+12VS
RZ060 27R
TZ032 BC858/B
CZ034 18p
LZ030 68u
CZ035 100p
LZ031 120u
RZ055 1K
LZ001 10u
CZ033 100u 16V
TZ031 BC848/B
RZ036 1K3
RZ031 1K
RZ030 910R
TZ057 BC858/B
CZ036 27p
RZ034 680R
CZ030 100u 16V
CZ013 22n
CZ014 47u 16V
CZ021 22n
CZ015 47u 50v
RZ015 1K
U3_+33VE
JZ048 220R
JZ049 220R
RZ057 4K7
TZ050 BC848/B
RZ051 130R
LZ050 5u6
LZ051 5u6
RZ052 470R
CZ005 100p
RZ050 680R
FZ050 EFC-S3F
FZ051 EFC-S3F
RZ053 330R 470R
TZ051 BC858/C
RZ054 1K
RZ019 56K
CZ019 22n
TZ019 RN1402
RZ056 470R (0R)
CZ056 270p (PREP)
LZ055 1u (PREP)
CZ055 910p (PREP)
TZ055 RN1402 (PREP)
DZ002 LL4148
DZ003 0R
DZ004 LL4148
DZ005 LL4148
U2_+5VS
RZ005 1K
RZ020 2K2
TZ020 RN1402
CZ010 22n
TZ001 RN1402
TZ010 RN1402
RZ010 4K7
TZ002 RN1402 (IF4154)
RZ008 0R
RZ007 0R
AUTOPROG
STDM_M
BUS_CLK_SW
IIC_CLK_SW
BUS_DA_SW
IIC_DA_SW
T31.9STDM
MESECAM
V_IF
IIC_DA_EV
IIC_CLK_EV
V_EE_PB_MD
A_EE_PB_MD
NORM
A_IF
RS121 390R
RS102 220R
RS103 390R
RS104 390R
RS113 560R
RS114 560R
TS101 BC848/B
RS115 560R
RS116 560R
RS130 1K


BS031
TO ACE HEAD
IY001
SDA5648
IS101
74HC4053
IS102
TBA120T
BX101
TO TERMINAL BOARD
BX002
TO TERMINAL BOARD
TEST PINS
BW005
BF401
TO FEATURE BOARD
TO FE HEAD
BS030
BS001
TEST PINS
MPX_E/FE_M
FE_CTL_HI
& RG109
0R
V_EE_PB_MD
SCART_ON
SCRT2
CSYNC
U7_+5VE
V_EE_PB
GND
IIC_DA_EV
IIC_CLK_EV
V_IF
V_EE_REC
U4_+12VE
A_EE_PB_MD
INPS1_NORM
INPS2
JG107
JG105
JG106
JG104
JG103
=RG105 (DEL)
=RG106 (DEL)
=RG107
=RG108
=CG102 22n
=CG101 22n
HI_DE/R_A
AUDIO_ENV
AFF/PB_A
U1_+12VS
-5VE
REC_ON
AUD_MUTE
PB_ON
SP_LP_EP
A_LIN_PB
A_LIN_REC
ERASECTL
A_IF
JG108
RG102
& RG112
& RG111
JG110
JG109
PB_YC
DRUM_FF
CTL_OUT
IIC_DA_SW
IIC_CLK_SW
COUNTER
+6VE2
POWER_ON
ENABLE_ST9
RESET_ST9
VD
JG308
JG307
JG306
JG305
JG309
JG310
JG303
JG312
JG311
JG313
RS121 390R
QS104 CDA4M5
CS104 47p
RS122 330R
RS127 0R
RS102 220R
CS101 47p
QS101 CDA6.0MC
RS101 390R
RS128 0R
RS901 0R
# CS102 47p (DEL)
RS902 0R
RS103 390R
# 150R
QS102 CDA5M5MC
RS105 330R
# 150R
QS103 CDA6M5
RS104 390R
RS106 330R
CS103 150p
CS134 0R 22n (PREP)
CS133 47u (PREP) 16V
-5VE
JS103
JS112
U2_+5VS
CS132 22n (PREP)
RZ055 1K
U1_+12VS
TZ057 BC858/B
JZ009
RS113 560R
FS103 4.5E+6
RS114 560R
FS104 6.0E+6
TS101 BC848/B
JS101
RS115 560R
FS105 5.5E+6
RS116 560R
FS106 6.5E+6
RS905 0R
RS903 0R
JS116
RS119 2K2
CS118 15n
U1_+12VS
JS109
CS121 22n
CS131 47u 50V
CS123 22n
CS116 330p
CS113 4u7 25V
CS122 3n9
RS120 12K
JS102
Vref
STABLE
JS107
JS113
JS108
JS104
JZ062
JZ061
JZ016
JZ011
RS904 $ 0R(PS')
DS112 1N4148
RS112 47K
CS112 22n
CS124 22n
JS115
RS130 1K
TS119 RN1402
JS110
VIDEO
AUDIO
V_IF
IIC_DA_EV
IIC_CLK_EV
V_EE_PB_MD
A_EE_PB_MD
NORM
A_IF
PB_ON
U2_+5VS
JY002
CY004 47n
RY006 100K
RY001 2K2
CY002 330n
CY001 150p
RY002 1M
RY007 0R
RY004 6K8
CY003 33n
RY003 1M2
RY009 6K8
CY010 2n2
RY011 (PREP) 4K7
U2_+5VS
RY010 1M2
JY012
JY004
JY009
JY010
JY003
JY005
JY007
JY011
JY008
+14VE
JS039
JS041
RS045 18R
CS038 47u 16V @ 33U
TS039 BC848/B
RS049 4K7
RS031 4K7
CS031 & 2n7 @ 5n6
TS030 2SC2859Y
RS042 & 6k8 @ 10K
RS050
CS033 & 56n @ 33n
DEV LS030
RS039 4K7
CS036 1u 50V
JS032
CS030 10n
JS030
RS030 4R7
RS043 & 0R @ 12K
RS044 VAL
PS034 & 33K @ 47K
CS034 220p
JS040
RS037 220R
RS036 10K
+14VE
RN441 @ 18R
LN430 @ DEV
JN401
& RS035 0R
@ RN431 100R
@ CN431 10n
@ CN433 220p
JN404
JN403
@ CN430 2n7
@ RN440 12K
JS033
JS038
JS036
JS037
U7_+5VE
@ TN430 BC847/B
@ CN438 47u 25V
@ CN436 10n
@ RN439 4R7
DG030 LL4148
JS043
JS044
JS050
JS051
JS052
RG036 5K6
= 0R
@ RN436 1K5
@ TN439 BC848/B
@ RN437 1K5
RG037 8K2
JG031
JG036
JS034
JS031
RG051 10R
JS035
A_BIAS
A_LIN_PB
+12.6VE
DG035 LL4148
RG031 10K
TG031 BC558/B
RG030 1K
RG032 820R
TG029 RN1204
RG033 820R
TG030 RN1204
JG037 (PREP)
RG034 8K2
RG035 5K6
= 0R
U7_+5VE
DG034 LL4148
VIDEO_VPS
MONITOR
16:9
SC1/AFT
SCART_ON
IIC_DA_SW
IIC_CLK_SW
ERASECTL
FE_CTL_HI
SCART2
SCRT2
A_LIN_REC
A_LIN_PB
PB_R_CTL1
C_BIAS
P B
REC

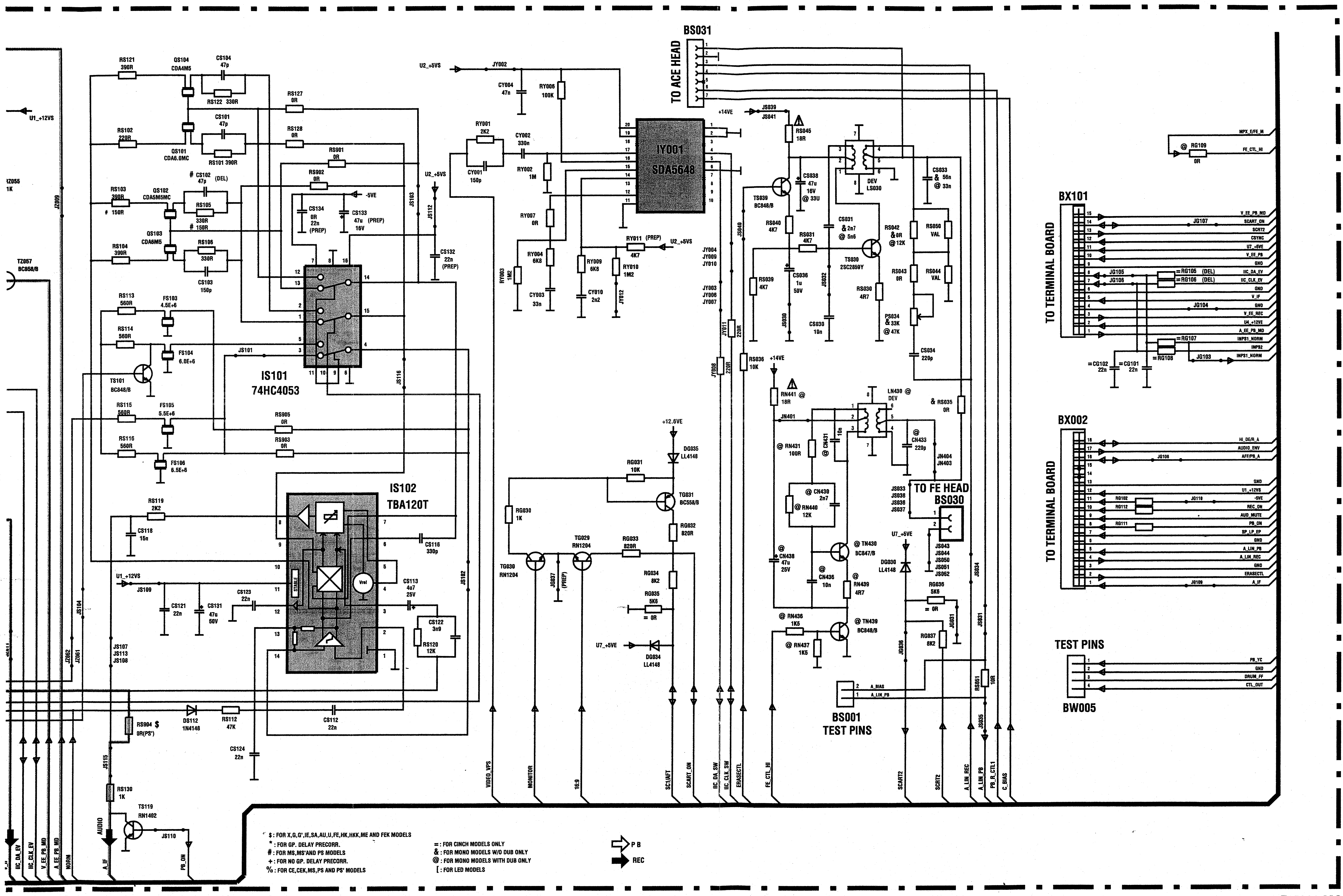
$: FOR X,G,G',IE,SA,AU,U,FE,HK,HKK,ME AND FEK MODELS
* : FOR GP. DELAY PRECORR.
# : FOR MS,MS'AND PS MODELS
+ : FOR NO GP. DELAY PRECORR.
% : FOR CE,CEK,MS,PS AND PS' MODELS

= : FOR CINCH MODELS ONLY
& : FOR MONO MODELS W/O DUB ONLY
@ : FOR MONO MODELS WITH DUB ONLY
[: FOR LED MODELS

POWER SUPPLY INTERFACE / TUNER / IF SECTION - INTERFACE ALIMENTATION / TUNER / FI - NETZTEIL INTERFACE / TUNER / ZF - INTERFACCIA ALIMENTAZIONE / TUNER / IF - INTERFAZ ALIMENTACIÓN / TUNER / IF (VP 2550 / VP 4550)



FROM POWER SUPPLY BP002
BW001
UH+
UH-
U5_-32VE
U3_+33VE
POWER_GOOD
VM+20VE
GND
+14VE
+6VE1
U3_+33VE
GND
+14VE
JW008
BE401
TO FJB
TW001 BC848/C
TW002 RN2403
TW003 2SC2236-Y
TW005 2SC2236-Y
TW006 BC858/B
TW009 RN1405
FE-4202/4212/5100/4201/4231/4243/4210
+5VEP
AGC
U1_+12VS
MOD_V_IN
A_EE_PB_MOD
TUNER
U7_+5VE
32V
IIC_CLK_EV
IIC_DA_EV
L'_H
IF
IF-4150/4112/4101/4102/4111
IF
NORM_L
AGC
VIDEOOUT
AUDIO
A_IF_OUT
U1_+12VS
AUDIO
VIDEO
U4_+12VE
U1_+12VS
U2_+5VS
TZ050 BC848/B
TZ051 BC858/C
TZ057 BC858/B
TZ031 BC848/B
TZ032 BC858/B
TZ019 RN1402
TZ020 RN1402
TZ055 RN1402 (PREP)
TZ001 RN1402
TZ002 RN1402 (IF4154)
TZ010 RN1402
FZ050 EFC-S3F
FZ051 EFC-S3F
TS101 BC848/B
TS119 RN1402
POWER_ON
U1_+12VS
U2_+5VS
HRD_ERR
U7_+5VE
+6VE1
+14VE
U4_+12VE
GND
-5VE
VM+20VE
POWER_GOOD
U3_+33VE
U5_-32VE
UH-
UH+
AUTOPROG
STDI_M
BUS_CLK_SW
IIC_CLK_SW
BUS_DA_SW
IIC_DA_SW
T31.0STDM
MESECAM
V_IF
IIC_DA_EV
IIC_CLK_EV
V_EE_PB_MD
A_EE_PB_MD
NORM
A_IF


BS031
TO ACE HEAD
IY001
SDA5648
IS101
74HC4053
IS102
TBA120T
BX101
TO TERMINAL BOARD
BX002
TO TERMINAL BOARD
TEST PINS
BW005
TO FE HEAD
BS030
BS001
TEST PINS
U1_+12VS
U2_+5VS
U7_+5VE
+14VE
+12.6VE
DEV
LS030
LN430
VIDEO_VPS
MONITOR
16:9
SC1/AFT
SCART_ON
IIC_DA_SW
IIC_CLK_SW
ERASECTL
FE_CTL_HI
SCART2
SCRT2
A_LIN_REC
A_LIN_PB
PB_R_CTL1
C_BIAS
IIC_DA_EV
IIC_CLK_EV
V_EE_PB_MD
A_EE_PB_MD
NORM
AUDIO
A_IF
PB_ON
MPX_E/FE_M
FE_CTL_HI
V_EE_PB_MD
SCART_ON
SCRT2
CSYNC
U7_+5VE
V_EE_PB
GND
IIC_DA_EV
IIC_CLK_EV
V_IF
V_EE_REC
U4_+12VE
A_EE_PB_MD
INPS1_NORM
INPS2
HI_DE/R_A
AUDIO_ENV
AFF/PB_A
U1_+12VS
-5VE
REC_ON
AUD_MUTE
PB_ON
SP_LP_EP
A_LIN_PB
A_LIN_REC
ERASECTL
A_IF
PB_YC
DRUM_FF
CTL_OUT
A_BIAS
A_LIN_PB

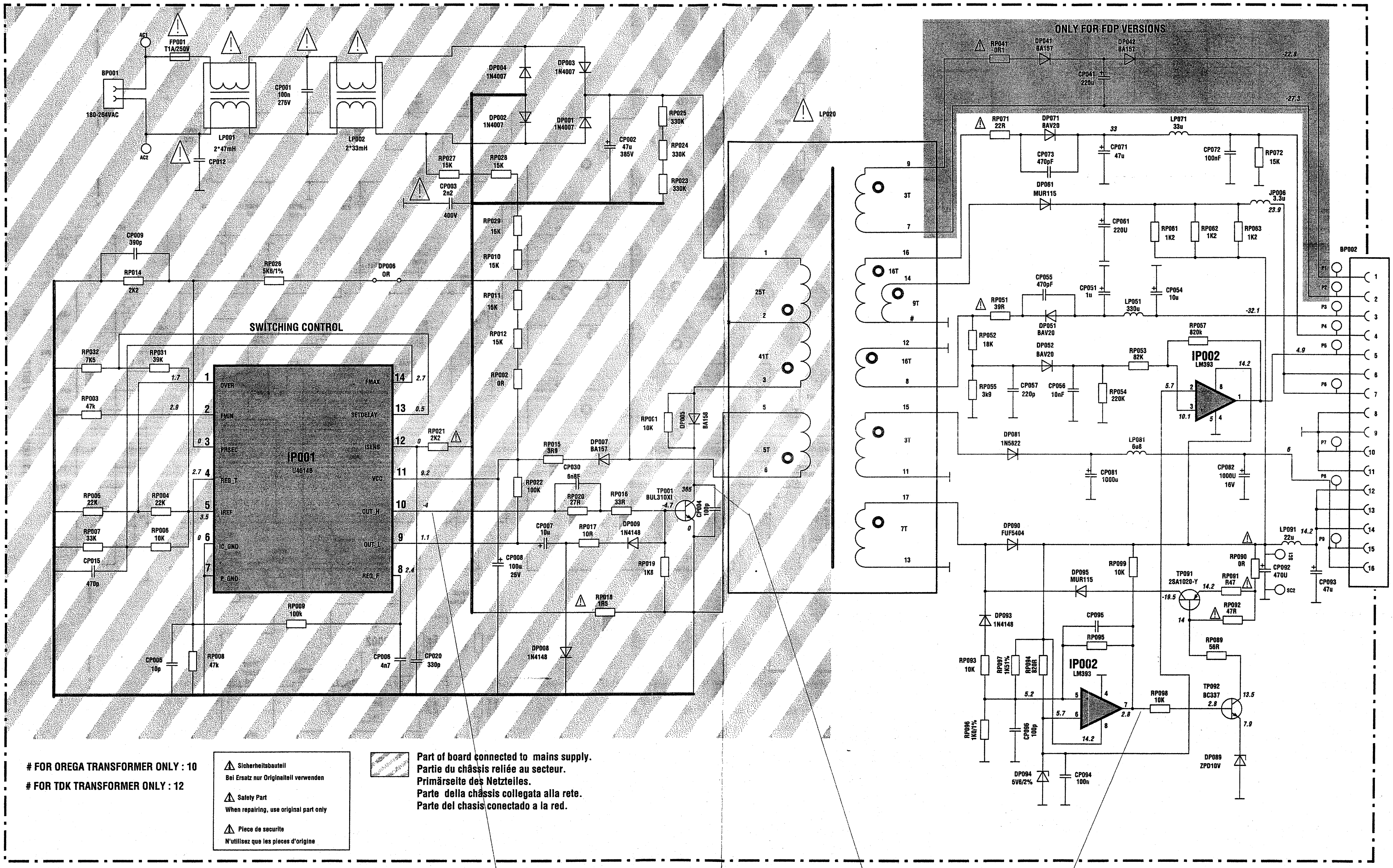
$: FOR X,G,G',IE,SA,AU,U,FE,HK,HKK,ME AND FEK MODELS
* : FOR GP. DELAY PRECORR.
# : FOR MS,MS'AND PS MODELS
+ : FOR NO GP. DELAY PRECORR.
% : FOR CE,CEK,MS,PS AND PS' MODELS

= : FOR CINCH MODELS ONLY
& : FOR MONO MODELS W/O DUB ONLY
@ : FOR MONO MODELS WITH DUB ONLY
[: FOR LED MODELS

⇨ P B
➡ REC

POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VP 2601 - VP 2651 - VP 4601 - VP 4681 -V 1250 SVM - V 1450 SVM - VR 7027 - T 8000 - M 9523 - M 9625 - M 9655)


BP001
180-264VAC
AC1
AC2
FP001 T1A/250V
LP001 2*47mH
CP012
CP001 100n 275V
LP002 2*33mH
DP004 1N4007
DP003 1N4007
DP002 1N4007
DP001 1N4007
CP002 47u 385V
RP025 330K
RP024 330K
RP023 330K
RP027 15K
RP028 15K
CP003 2n2 400V
RP029 15K
RP010 15K
RP011 15K
RP012 15K
RP092 0R
LP020
CP009 390p
RP014 2K2
RP026 5K6/1%
DP006 0R
SWITCHING CONTROL
RP032 7K5
RP031 39K
RP003 47k
RP005 22K
RP004 22K
RP007 33K
RP006 10K
CP015 470p
IP001 U4614B
OVER
FMIN
PRSEC
REG_T
IREF
IC_GND
P_GND
FMAX
SETDELAY
ISENS
VCC
OUT_H
OUT_L
REG_F
RP021 2K2
RP009 100k
CP005 10p
RP008 47k
CP006 4n7
CP020 330p
RP015 3R9
DP007 BA157
CP030 6n8
RP022 100K
RP020 27R
RP016 33R
CP007 10u
RP017 10R
DP009 1N4148
CP008 100u 25V
RP019 1K8
RP018 1R5
DP008 1N4148
RP061 10K
DP005 BA158
TP001 BUL310XI
CP004 100p
25T
41T
5T
3T
16T
9T
ONLY FOR FDP VERSIONS
RP041 0R1
DP041 BA157
DP042 BA157
CP041 220u
RP071 22R
DP071 BAV20
CP073 470pF
CP071 47u
LP071 33u
CP072 100nF
RP072 15K
DP061 MUR115
JP006 3.3u
CP061 220U
RP061 1K2
RP062 1K2
RP063 1K2
CP055 470pF
CP051 1u
CP054 10u
LP051 330u
RP051 39R
DP051 BAV20
RP052 18K
DP052 BAV20
RP057 820k
RP053 82K
IP002 LM393
RP055 3k9
CP057 220p
CP056 10nF
RP054 220K
DP081 1N5822
LP081 6u8
CP081 1000u
CP082 1000U 16V
DP090 FUF5404
LP091 22u
RP099 10K
DP095 MUR115
TP091 2SA1020-Y
RP090 0R
RP091 R47
CP092 470U
CP093 47u
RP092 47R
DP093 1N4148
CP095
RP095
RP089 56R
RP093 10K
RP097 1K51%
RP094 820R
IP002 LM393
RP098 10K
TP092 BC337
RP096 1K0/1%
CP096 100p
DP094 5V6/2%
CP094 100n
DP089 ZPD10V
BP002
+UH
-UH
-32V
+33V
PG
VM_+20VE
VM_+20VE
GND
GND
GND
GND
+14VE
+14VE
+14VE
+6VE
+6VE
TO MAIN BOARD RF / INTERFACE - HI FI

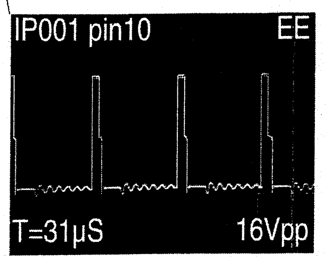
# FOR OREGA TRANSFORMER ONLY : 10
# FOR TDK TRANSFORMER ONLY : 12

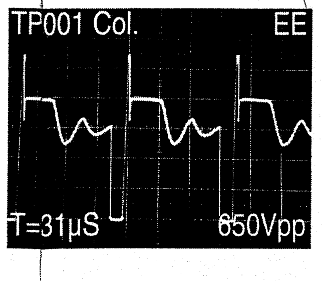
⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

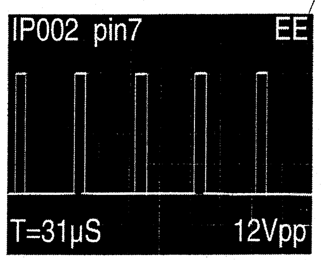
⚠ Safety Part
When repairing, use original part only

⚠ Piece de securite
N'utilisez que les pieces d'origine

▨ Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteiles.
Parte della châssis collegata alla rete.
Parte del chasis conectado a la red.

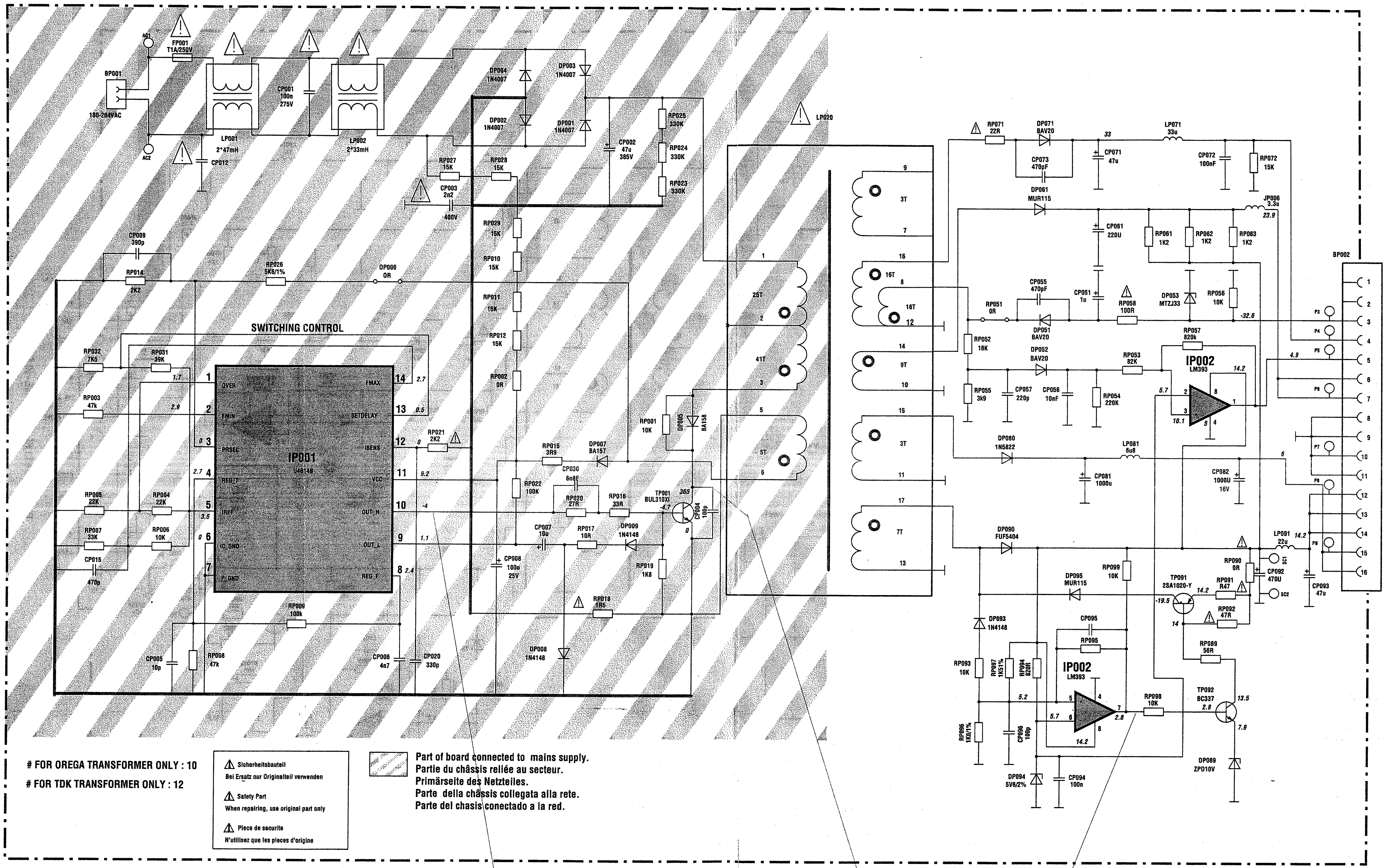






POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VR 7021 - VR 7041)


BP001
180-264VAC
AC1
AC2
FP001 T1A/250V
LP001 2*47mH
CP012
CP001 100n 275V
LP002 2*33mH
DP004 1N4007
DP003 1N4007
DP002 1N4007
DP001 1N4007
CP002 47u 385V
RP025 330K
RP024 330K
RP023 330K
RP027 15K
RP028 15K
CP003 2n2 400V
LP020
CP009 390p
RP014 2K2
RP026 5K6/1%
DP006 0R
RP029 15K
RP010 15K
RP011 15K
RP012 15K
RP002 0R
SWITCHING CONTROL
RP032 7K5
RP031 39K
RP003 47k
RP005 22K
RP004 22K
RP007 33K
RP006 10K
CP015 470p
IP001
U4814B
OVER
FMIN
PRSEC
REG_T
IREF
IC_GND
P_GND
FMAX
SETDELAY
ISENS
VCC
OUT_H
OUT_L
REG_F
RP021 2K2
RP015 3R9
DP007 BA157
CP030 6n8
RP022 100K
RP020 27R
RP016 33R
TP001 BUL310XI
CP004 100p
CP007 10u
RP017 10R
DP009 1N4148
CP008 100u 25V
RP019 1K8
RP018 1R5
DP008 1N4148
RP009 100k
CP005 10p
RP008 47k
CP006 4n7
CP020 330p
RP001 10K
DP005
BA158
25T
41T
5T
16T
3T
9T
7T
RP071 22R
DP071 BAV20
CP073 470pF
DP061 MUR115
CP071 47u
LP071 33u
CP072 100nF
RP072 15K
JP006 3.3u
CP061 220U
RP061 1K2
RP062 1K2
RP063 1K2
CP055 470pF
CP051 1u
RP051 0R
DP051 BAV20
RP058 100R
DP053 MTZJ33
RP056 10K
RP052 18K
DP052 BAV20
RP057 820k
RP053 82K
IP002 LM393
RP055 3k9
CP057 220p
CP056 10nF
RP054 220K
DP080 1N5822
LP081 6u8
CP081 1000u
CP082 1000U 16V
DP090 FUF5404
LP091 22u
RP090 0R
CP092 470U
CP093 47u
DP095 MUR115
RP099 10K
TP091 2SA1020-Y
RP091 R47
RP092 47R
DP093 1N4148
CP095
RP095
RP089 56R
RP093 10K
RP097 1K51%
RP094 820R
RP098 10K
TP092 BC337
RP096 1K0/1%
CP096 100p
DP094 5V6/2%
CP094 100n
DP089 ZPD10V
BP002
+UH
-UH
-32V
+33V
PG
VM_+20VE
VM_+20VE
GND
GND
GND
GND
+14VE
+14VE
+14VE
+6VE
+6VE
TO MAIN BOARD RF / INTERFACE - HI FI

# FOR OREGA TRANSFORMER ONLY : 10

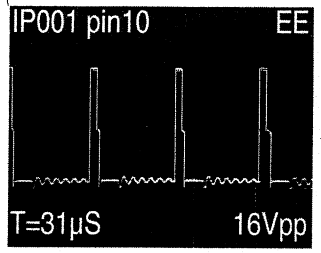
# FOR TDK TRANSFORMER ONLY : 12

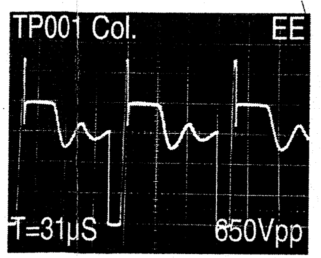
⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

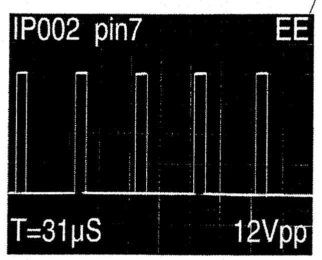
⚠ Safety Part
When repairing, use original part only

⚠ Piece de securite
N'utilisez que les pieces d'origine

▨ Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteiles.
Parte della chassis collegata alla rete.
Parte del chasis conectado a la red.

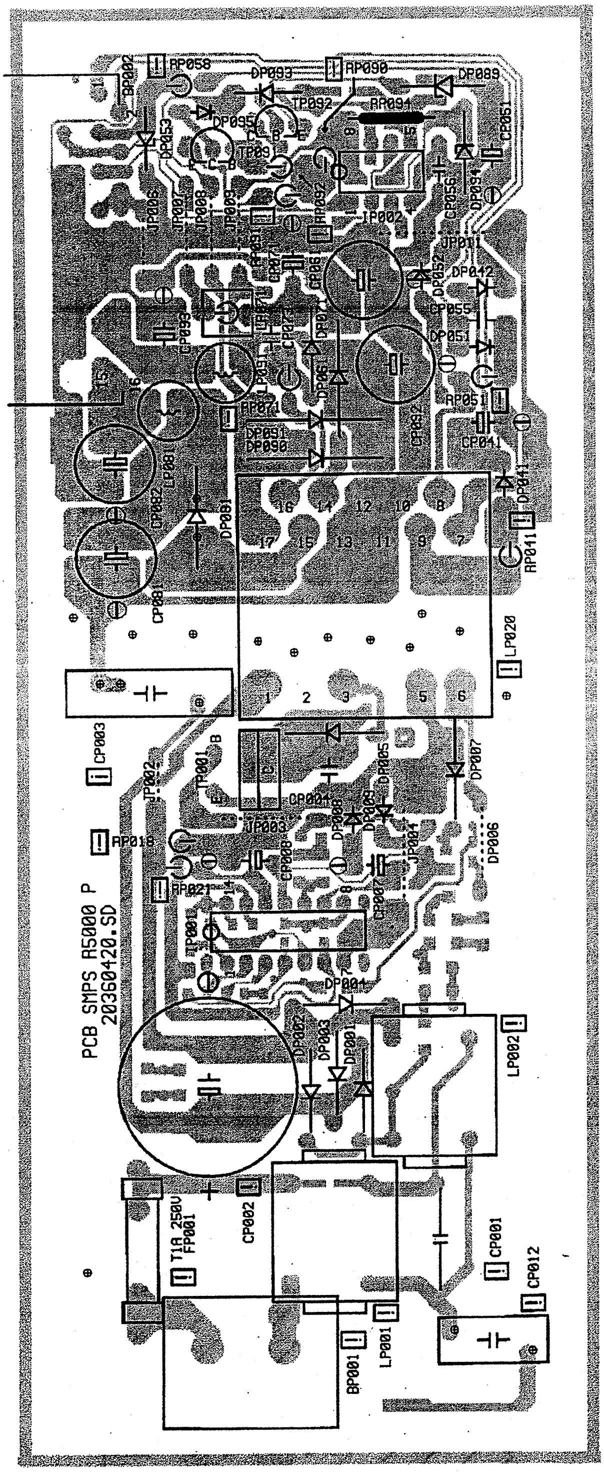




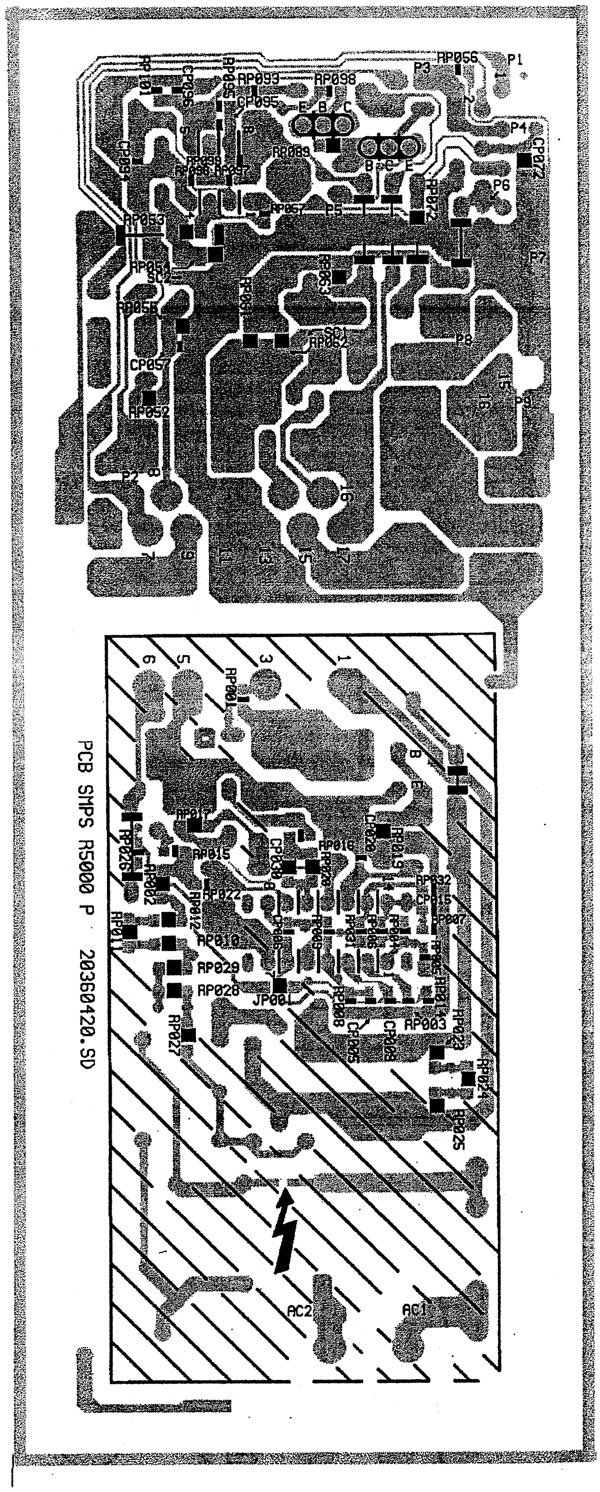


POWER SUPPLY BOARD - PLATINE ALIMENTATION - NETZTEIL LEITERPLATTE - PIASTRA ALIMENTAZIONE - PLATINA ALIMENTACIÓN

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

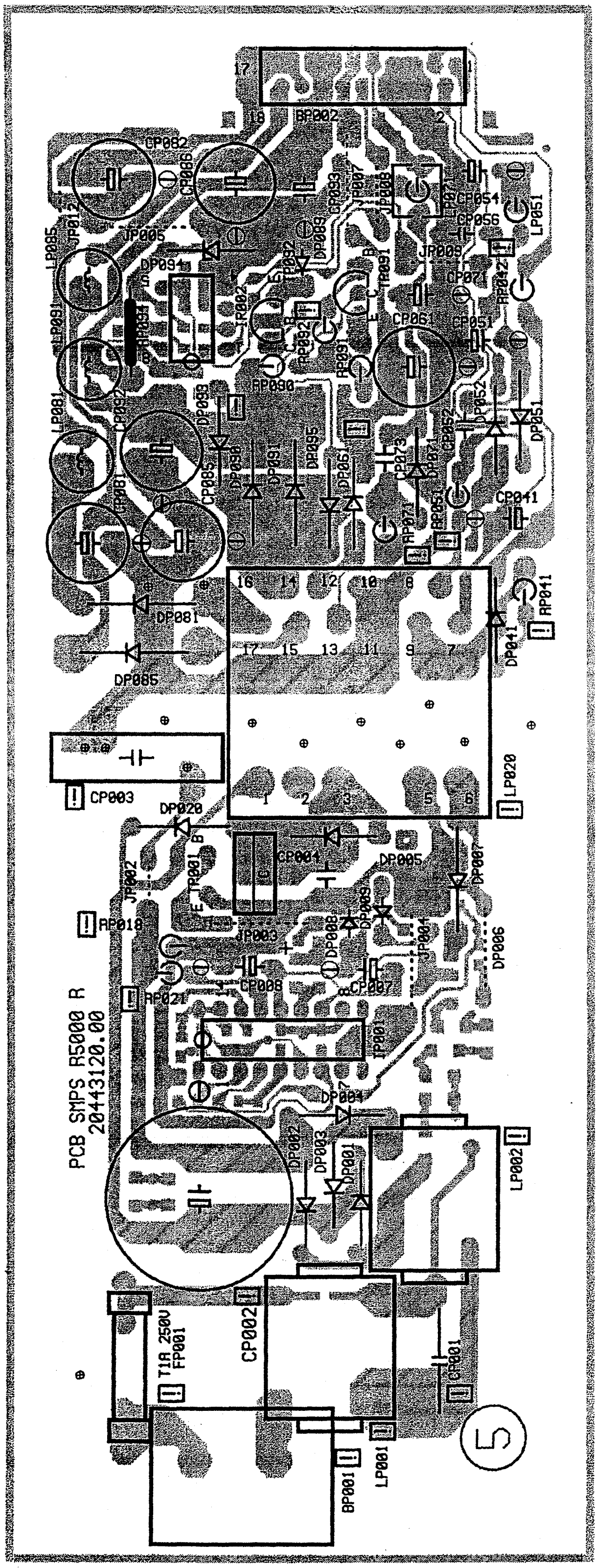

RP058
DP093
RP090
DP089
TP092
RP091
DP095
TP091
CP051
DP053
JP006
JP007
JP008
JP009
TP002
CP056
DP094
JP011
DP052
DP042
CP055
DP051
CP093
RP051
CP041
DP091
DP090
CP082
LP081
DP081
CP081
DP041
RP041
LP020
CP003
JP002
RP018
RP021
TP001
CP004
JP003
DR005
JP004
DP007
DP006
DP004
DP002
DP003
DP001
LP002
T1A 250V
FP001
CP002
CP001
CP012
BP001
LP001
PCB SMPS R5000 P
20360420.SD

Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre

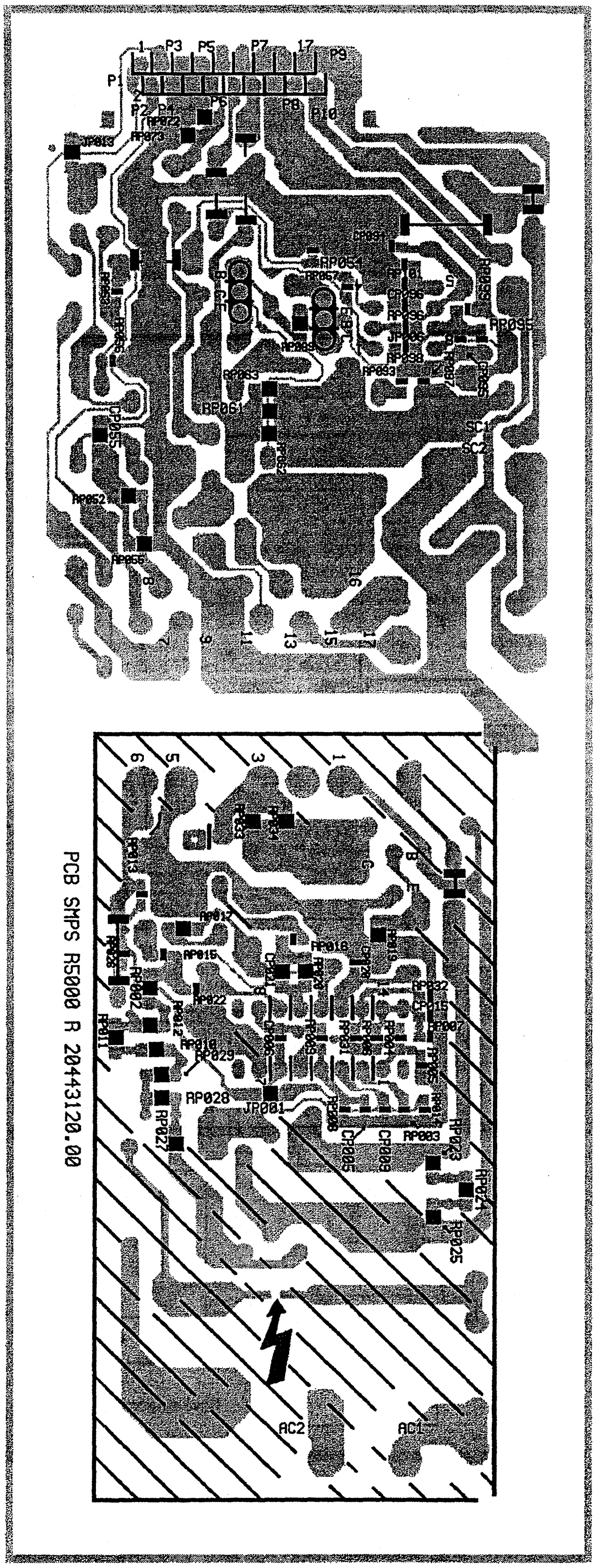

RP056
P1
P3
RP093
RP098
CP095
RP089
P4
CP072
P6
RP057
P5
RP053
RP054
RP055
RP063
RP052
S01
CP057
P8
P9
P7
P2
RP001
RP017
RP015
RP016
RP022
RP012
RP010
RP029
RP028
JP001
RP027
RP011
RP003
RP024
RP025
RP032
RP007
AC1
AC2
PCB SMPS R5000 P 20360420.SD

POWER SUPPLY BOARD - PLATINE ALIMENTATION - NETZTEIL LEITERPLATTE - PIASTRA ALIMENTAZIONE - PLATINA ALIMENTACIÓN
(V 1455 SENSAR)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

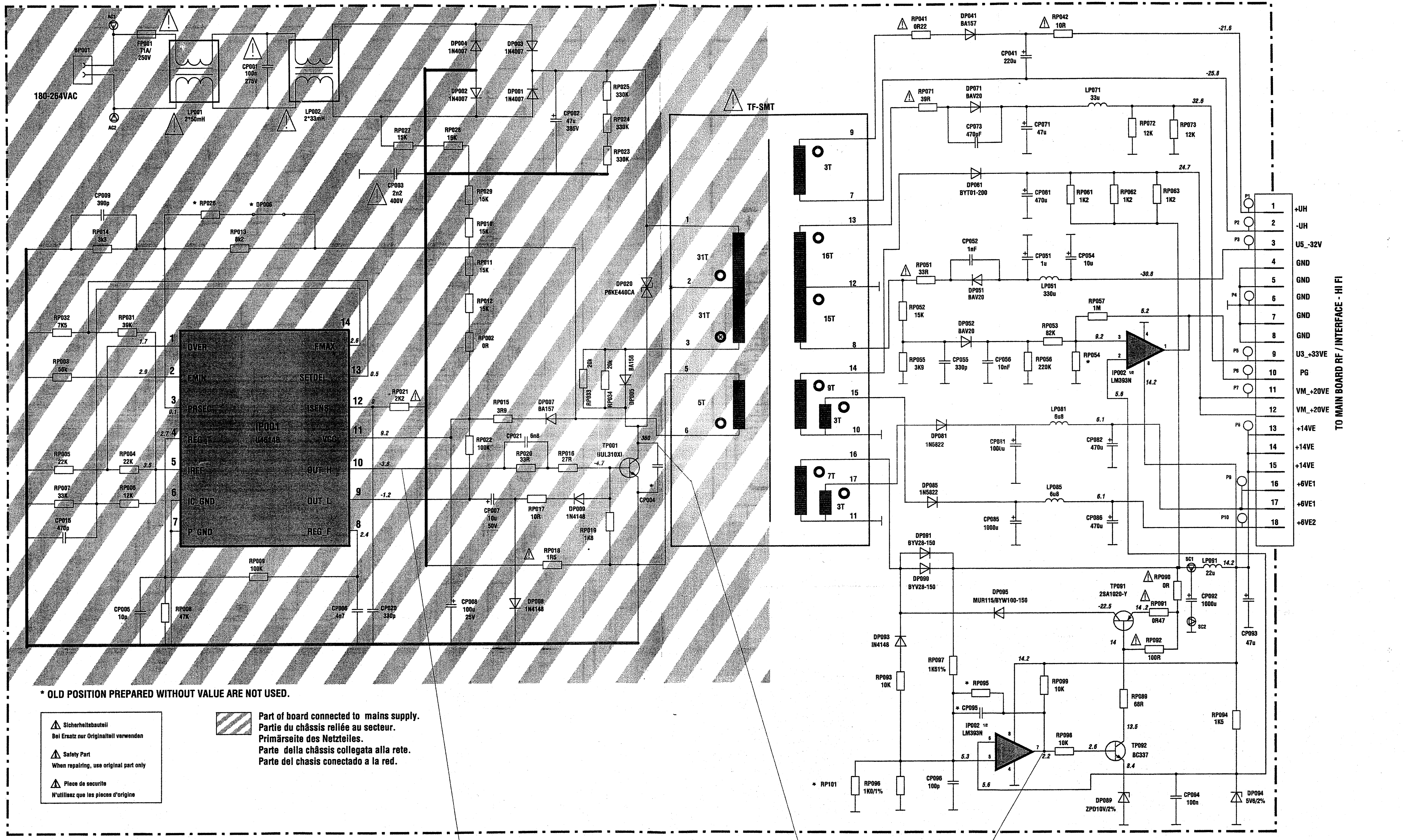

BP002
CP082
CP086
LP095
JP012
JP005
DP094
LP091
LP081
CP092
CP081
DP081
DP085
CP003
DP020
RP018
RP021
JP002
CP004
DP005
JP003
CP008
CP007
JP004
DP006
DP007
JP001
DP004
DP002
DP003
DP001
LP002
CP002
T1A 250V
FP001
CP001
BP001
LP001
CP054
CP056
LP051
JP009
CP061
CP051
CP071
RP041
DP041
LP020
CP041
DP051
DP052
CP062
CP073
RP080
DP090
DP091
DP095
PCB SMPS R5000 R
20443120.00
5

Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre


P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
JP013
RP073
RP072
RP054
RP057
RP095
RP061
RP063
RP052
RP056
SC1
SC2
RP017
RP015
RP016
RP019
RP022
RP012
RP010
RP029
RP028
JP001
RP027
RP032
RP003
RP023
RP024
RP025
CP005
CP009
AC1
AC2
PCB SMPS R5000 R 20443120.00

POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (V 1455 SENSAR)


180-264VAC
BP001
AC1
AC2
FP001 F1A/ 250V
LP001 2*50mH
CP001 100n 275V
LP002 2*33mH
DP004 1N4007
DP003 1N4007
DP002 1N4007
DP001 1N4007
CP002 47u 385V
RP025 330K
RP024 330K
RP023 330K
RP027 15K
RP028 15K
CP003 2n2 400V
TF-SMT
CP009 390p
* RP026
* DP006
RP014 3k3
RP013 8K2
RP029 15K
RP010 15K
RP011 15K
RP012 15K
RP002 0R
RP032 7K5
RP031 39K
RP003 56K
RP005 22K
RP004 22K
RP007 33K
RP006 12K
CP015 470p
IP001 UC3842
OVER
FMAX
FMIN
SETDEL
PRSEL
ISENS
REG_IN
VCC
IREF
OUT_H
IC_GND
OUT_L
P_GND
REG_F
RP021 2K2
RP015 3R9
DP007 BA157
RP022 100K
CP021 6n8
RP020 33R
RP016 27R
TP001 BUL310XI
CP004
CP007 10u 50V
RP017 10R
DP009 1N4148
RP019 1K8
RP018 1R5
RP009 100K
CP005 10p
RP008 47K
CP006 4n7
CP020 330p
CP008 100u 25V
DP008 1N4148
DP020 P6KE440CA
RP033 20k
RP034 20k
DP005 BA158
3T
31T
31T
5T
9T
3T
7T
3T
16T
15T
RP041 0R22
DP041 BA157
RP042 10R
CP041 220u
-21.6
-25.8
RP071 39R
DP071 BAV20
LP071 33u
32.6
CP073 470pF
CP071 47u
RP072 12K
RP073 12K
DP061 BYT01-200
24.7
CP061 470u
RP061 1K2
RP062 1K2
RP063 1K2
CP052 1nF
CP051 1u
CP054 10u
RP051 33R
DP051 BAV20
LP051 330u
-30.8
RP052 15K
RP057 1M
DP052 BAV20
RP053 82K
RP055 3K9
CP055 330p
CP056 10nF
RP056 220K
RP054 *
IP002 1/2 LM393N
DP081 1N5822
LP081 6u8
CP081 1000u
CP082 470u
DP085 1N5822
LP085 6u8
CP085 1000u
CP086 470u
DP091 BYV28-150
DP090 BYV28-150
DP095 MUR115/BYW100-150
SC1
LP091 22u
RP090 0R
TP091 2SA1020-Y
RP091 0R47
CP092 1000u
SC2
CP093 47u
DP093 1N4148
RP092 100R
RP097 1K51%
* RP095
* CP095
RP093 10K
RP099 10K
RP089 68R
IP002 1/2 LM393N
RP098 10K
TP092 BC337
RP094 1K5
* RP101
RP096 1K0/1%
CP096 100p
DP089 ZPD10V/2%
CP094 100n
DP094 5V6/2%
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
1 +UH
2 -UH
3 U5_-32V
4 GND
5 GND
6 GND
7 GND
8 GND
9 U3_+33VE
10 PG
11 VM_+20VE
12 VM_+20VE
13 +14VE
14 +14VE
15 +14VE
16 +6VE1
17 +6VE1
18 +6VE2
TO MAIN BOARD RF / INTERFACE - HI FI

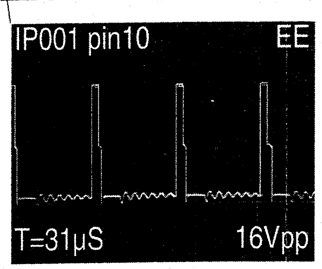
*** OLD POSITION PREPARED WITHOUT VALUE ARE NOT USED.**

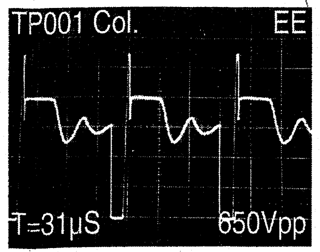
⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

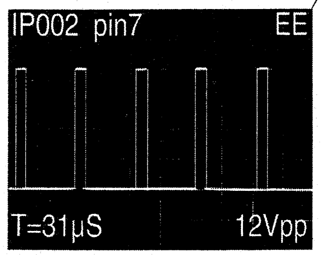
⚠ Safety Part
When repairing, use original part only

⚠ Piece de securite
N'utilisez que les pieces d'origine

▨ Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteiles.
Parte della châssis collegata alla rete.
Parte del chasis conectado a la red.

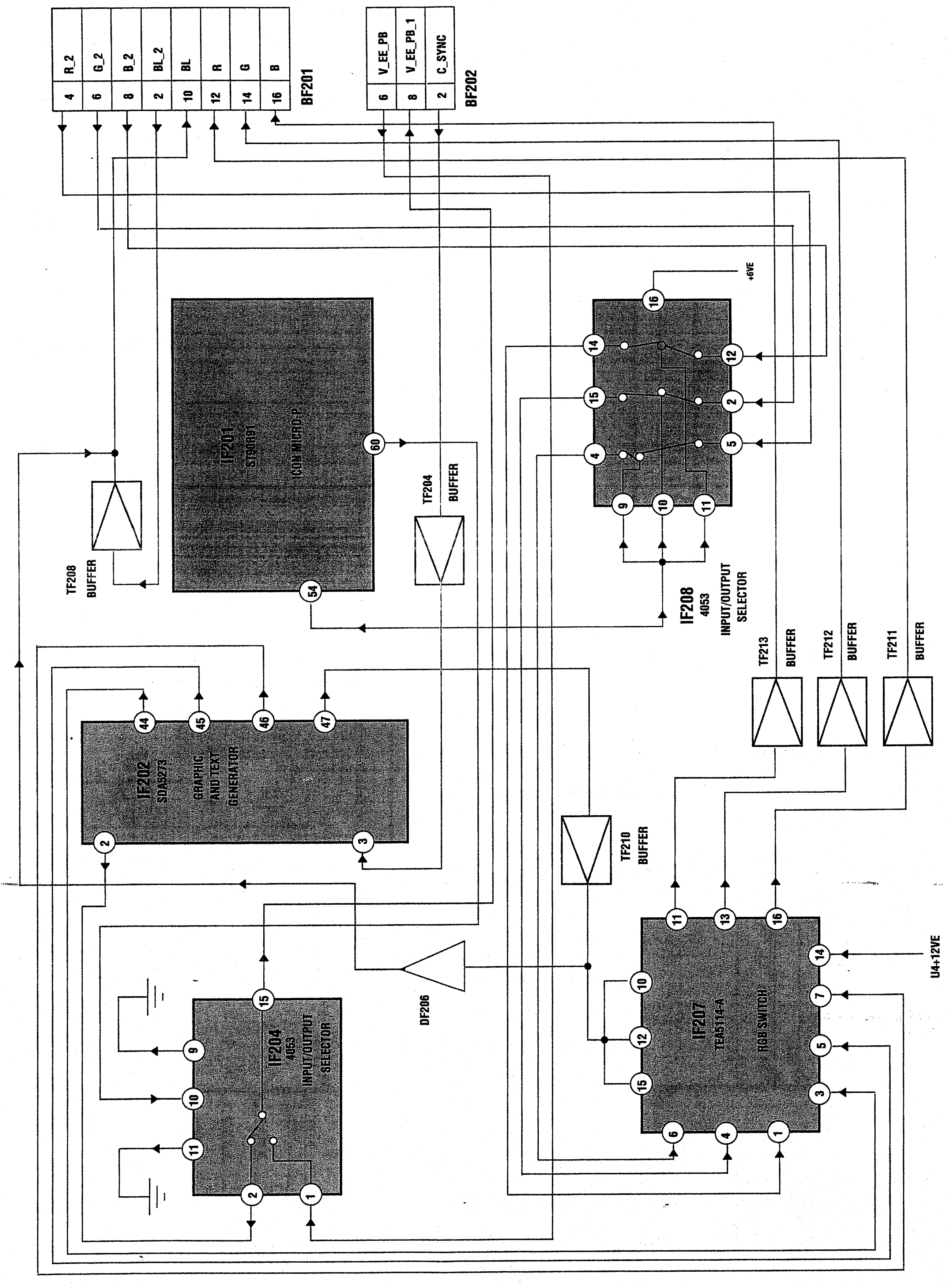




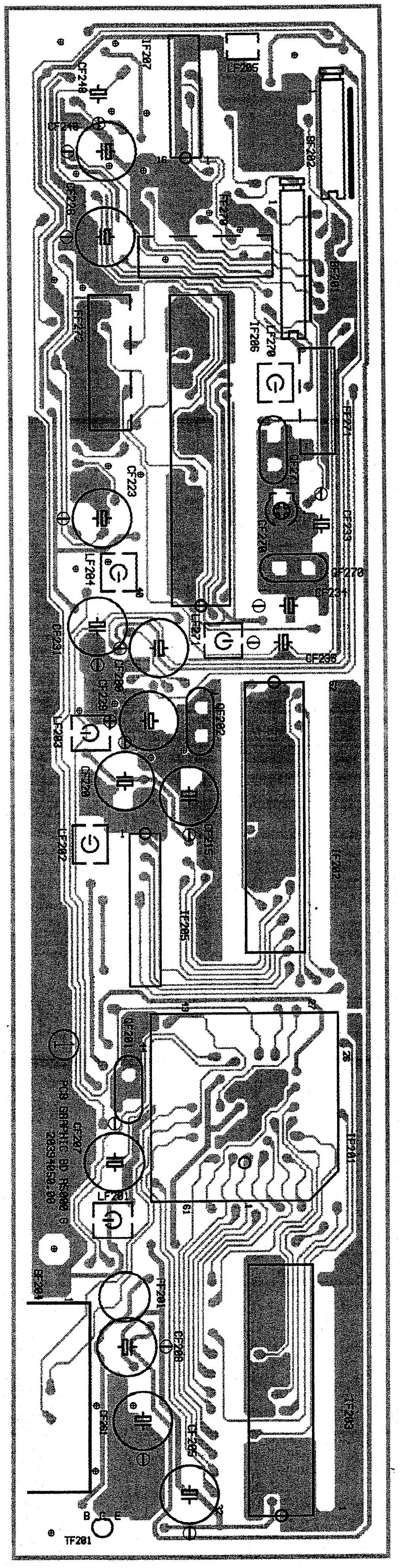


GRAPHIC BOARD (ICONS) - PLATINE GRAPHIQUE (ICONES) - LEITERPLATTE ZEICHENSATZEINBLENDUNG

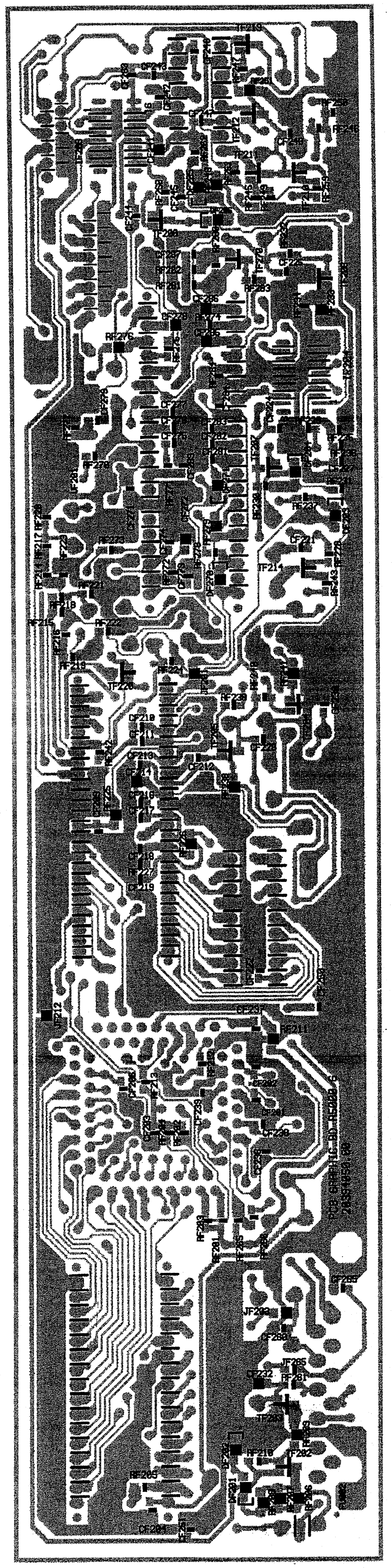
BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES


R_2
G_2
B_2
BL_2
BL
R
G
B
4
6
8
2
10
12
14
16
BF201
V_EE_PB
V_EE_PB_1
C_SYNC
6
8
2
BF202
IF201
ST9891
ICON MICRO-P
60
54
TF208
BUFFER
TF204
BUFFER
+6VE
16
14
15
4
12
2
5
9
10
11
IF208
4053
INPUT/OUTPUT
SELECTOR
TF213
BUFFER
TF212
BUFFER
TF211
BUFFER
IF202
SDA5273
GRAPHIC
AND TEXT
GENERATOR
44
45
46
47
2
3
TF210
BUFFER
DF206
IF204
4053
INPUT/OUTPUT
SELECTOR
15
9
10
11
2
1
IF207
TEA5114-A
RGB SWITCH
11
13
16
14
7
5
3
10
12
15
6
4
1
U4+12VE

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

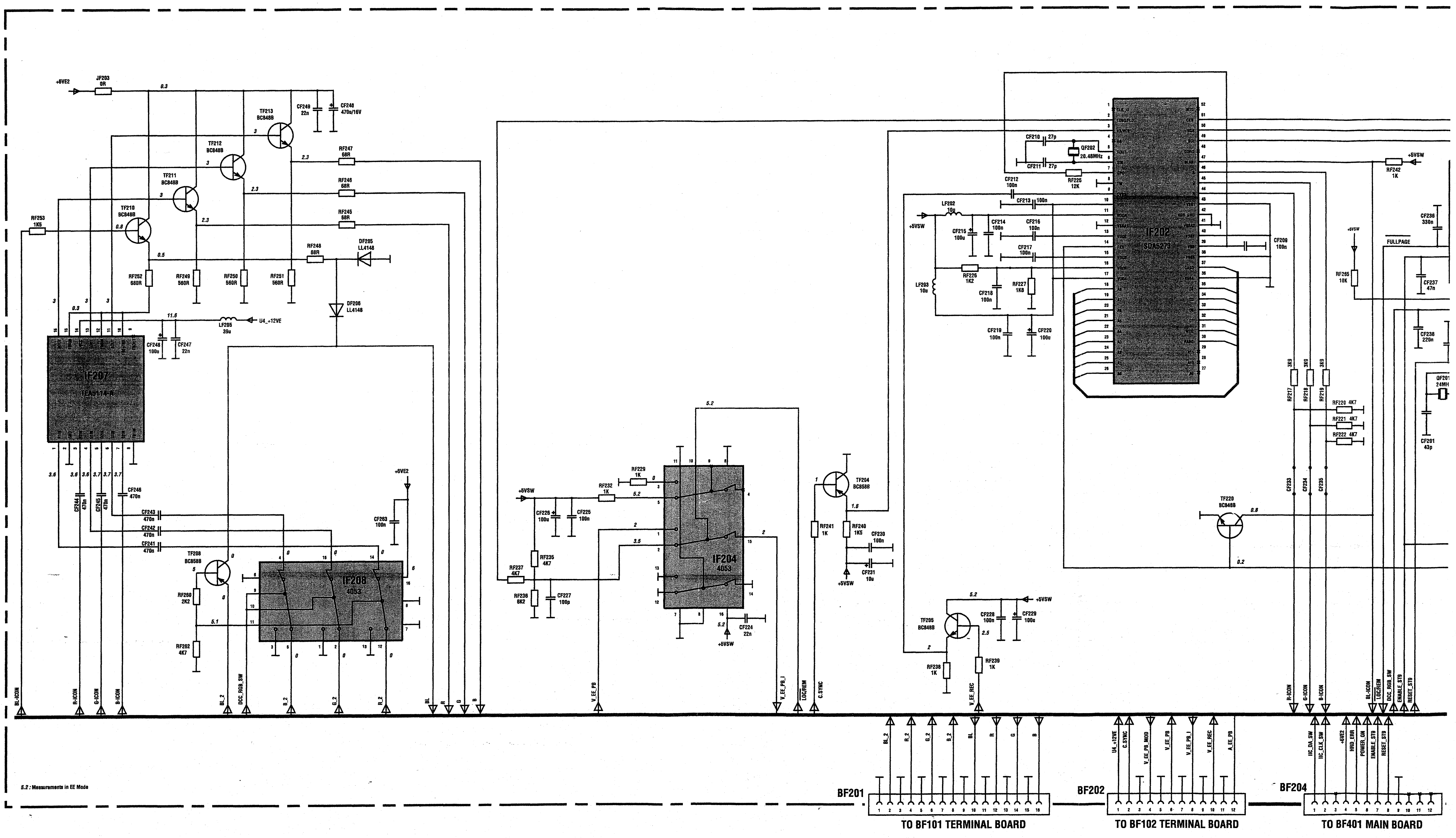


Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre



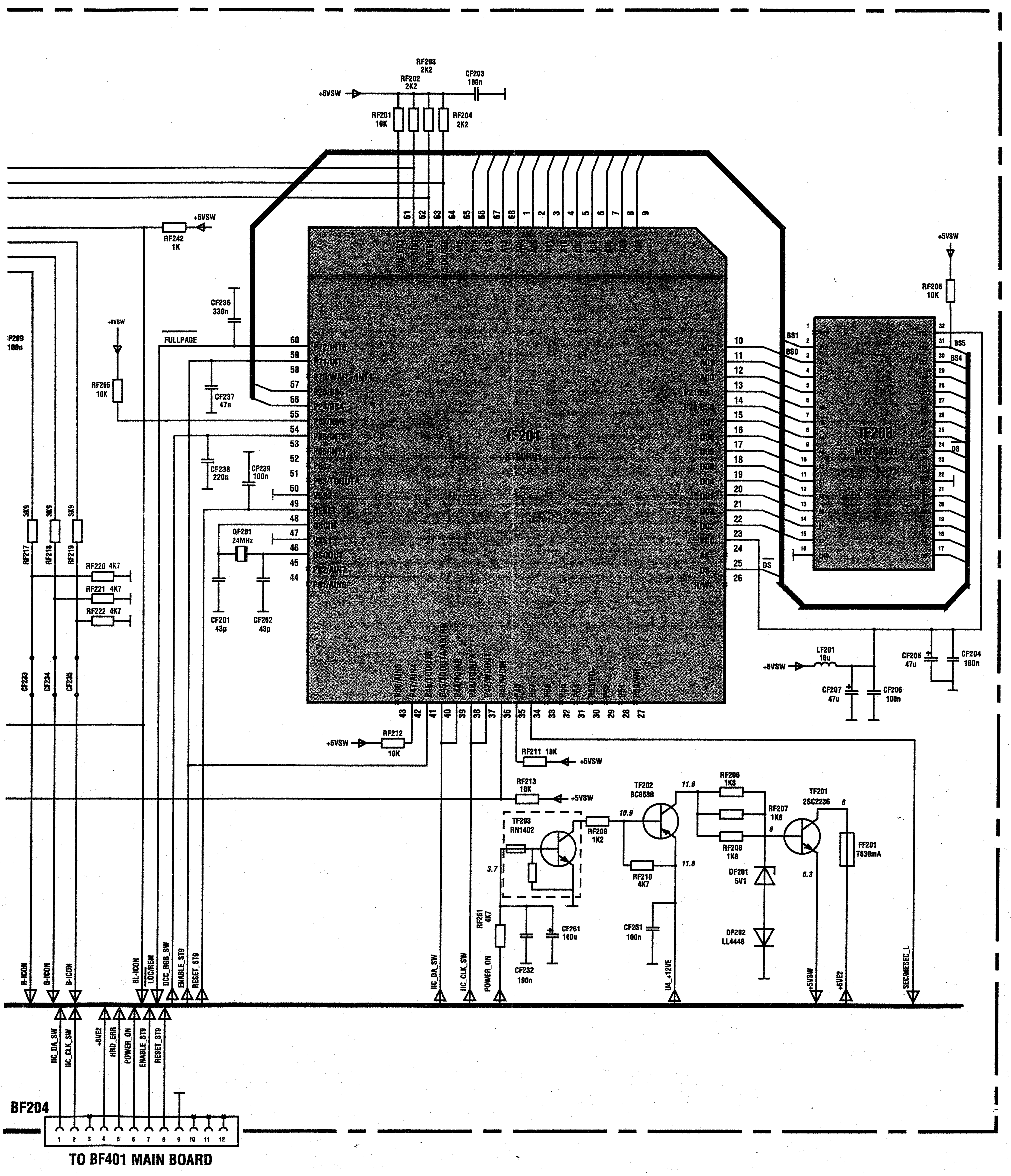
GRAPHIC BOARD (ICONS) - PLATINE GRAPHIQUE (ICONES) - LEITERPLATTE ZEICHENSATZEINBLENDUNG

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA



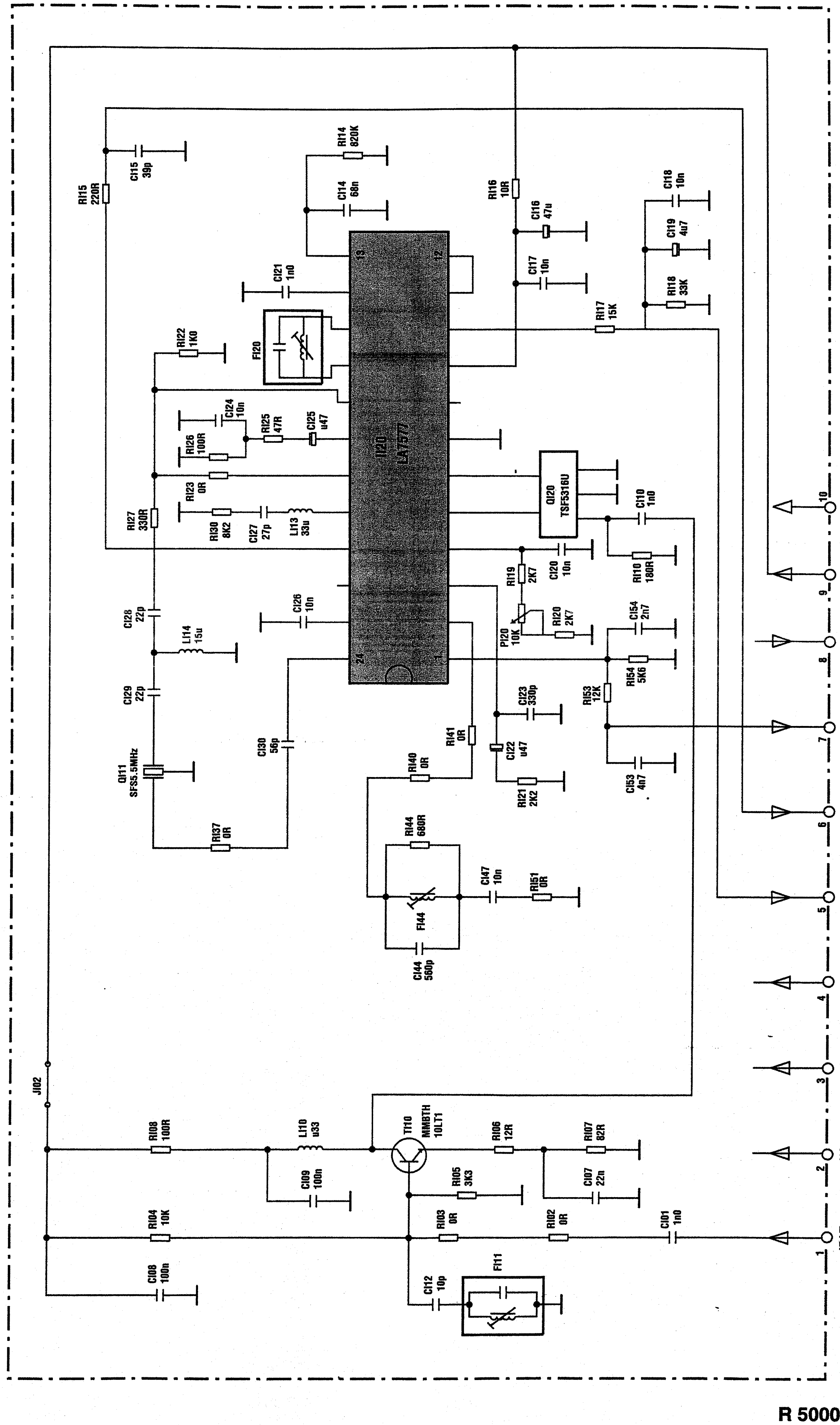
+5VE2
JF203 0R
TF213 BC848B
TF212 BC848B
TF211 BC848B
TF210 BC848B
CF249 22n
CF248 470u/16V
RF247 68R
RF246 68R
RF245 68R
RF248 68R
RF253 1K5
RF252 680R
RF249 560R
RF250 560R
RF251 560R
DF205 LL4148
DF206 LL4148
LF205 39u
U4_+12VE
CF248 100u
CF247 22n
IF207
TEA5114-A
CF246 470n
CF244 470n
CF245 470n
CF243 470n
CF242 470n
CF241 470n
TF208 BC858B
RF260 2K2
RF262 4K7
IF208 4053
CF263 100n
+5VSW
CF226 100u
CF225 100n
RF237 4K7
RF235 4K7
RF236 8K2
CF227 100p
RF229 1K
RF232 1K
IF204 4053
CF224 22n
TF204 BC858B
RF241 1K
RF240 1K5
CF230 100n
CF231 10u
TF205 BC848B
CF228 100n
CF229 100u
RF238 1K
RF239 1K
IF202
SDA5273
CF210 27p
CF211 27p
QF202 20.48MHz
RF225 12K
CF212 100n
CF213 100n
LF202 10u
CF214 100n
CF215 100u
CF216 100n
CF217 100n
RF226 1K2
CF218 100n
RF227 1K8
LF203 10u
CF219 100n
CF220 100u
CF209 100n
RF242 1K
CF236 330n
FULLPAGE
RF265 10K
CF237 47n
CF238 220n
QF201 24MH
RF217 3K9
RF218 3K9
RF219 3K9
RF220 4K7
RF221 4K7
RF222 4K7
CF201 43p
CF233
CF234
CF235
TF220 BC848B
BL-ICON
R-ICON
G-ICON
B-ICON
BL_2
DCC_RGB_SW
B_2
G_2
R_2
BL
R
G
B
V_EE_PB
V_EE_PB_I
LOC/REM
C.SYNC
V_EE_REC
IIC_DA_SW
IIC_CLK_SW
ENABLE_ST9
RESET_ST9
+5VE2
HRD_ERR
POWER_ON
U4_+12VE
V_EE_PB_MOD
A_EE_PB
BF201
BF202
BF204
TO BF101 TERMINAL BOARD
TO BF102 TERMINAL BOARD
TO BF401 MAIN BOARD

5.2 : Measurements in EE Mode



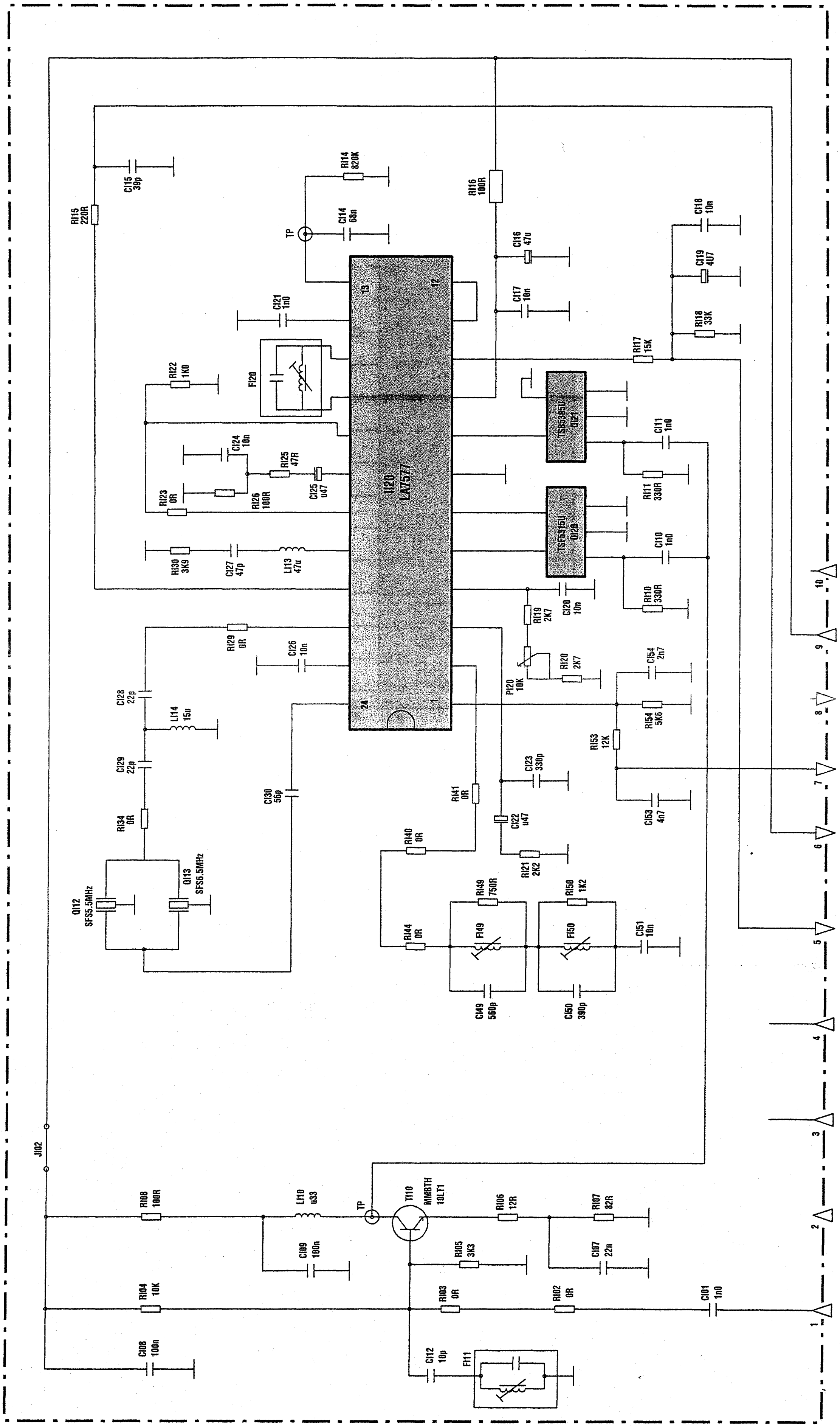
IF201
ST90R91
IF203
M27C4001
RF201 10K
RF202 2K2
RF203 2K2
RF204 2K2
CF203 100n
+5VSW
RF242 1K
CF236 330n
CF237 47n
CF238 220n
CF239 100n
QF201 24MHz
CF201 43p
CF202 43p
RF265 10K
RF205 10K
RF217 3K9
RF218 3K9
RF219 3K9
RF220 4K7
RF221 4K7
RF222 4K7
CF233
CF234
CF235
FULLPAGE
BS0
BS1
BS4
BS5
DS
LF201 10u
CF205 47u
CF204 100n
CF207 47u
CF206 100n
RF212 10K
RF211 10K
RF213 10K
TF203 RN1402
RF209 1K2
TF202 BC858B
RF210 4K7
RF206 1K8
RF207 1K8
RF208 1K8
TF201 2SC2236
FF201 T630mA
DF201 5V1
DF202 LL4448
RF261 4K7
CF261 100u
CF232 100n
CF251 100n
R-ICON
G-ICON
B-ICON
BL-ICON
LOC/REM
DCC_RGB_SW
ENABLE_ST9
RESET_ST9
IIC_DA_SW
IIC_CLK_SW
POWER_ON
U4_+12VE
+5VSW
+6VE2
SEC/MESEC_L
HRD_ERR
BF204
TO BF401 MAIN BOARD

IF 4101 / 4101A

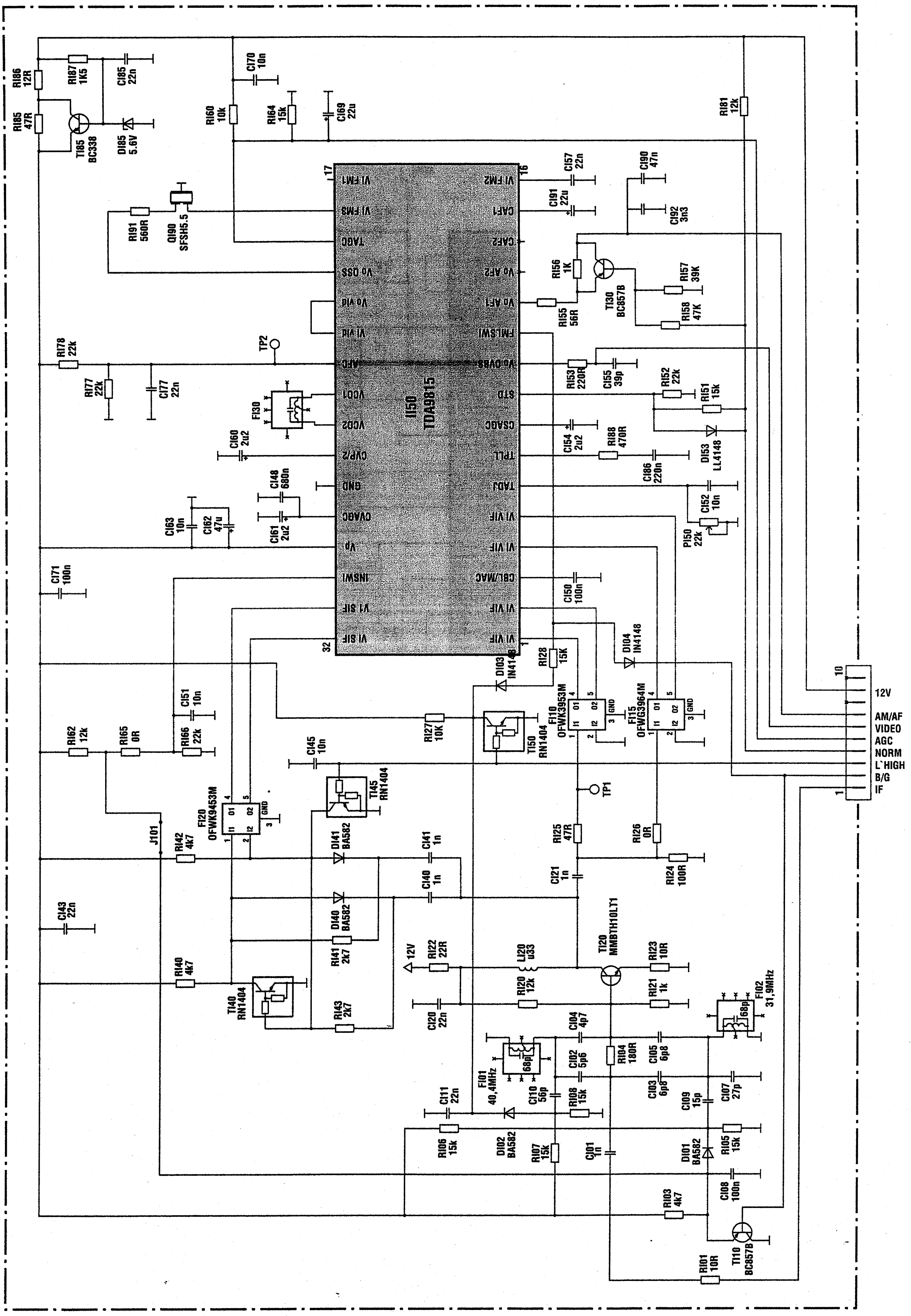


I120
LA7577
Q120
TSF5316U
R115 220R
C115 39p
R114 820K
C114 68n
R116 10R
C116 47u
C117 10n
C118 10n
C119 4n7
R118 33K
R117 15K
C121 1n0
F120
R122 1K0
C124 10n
R126 100R
R125 47R
C125 u47
R123 0R
R127 330R
R130 8K2
C127 27p
L113 33u
C110 1n0
R110 180R
R119 2K7
C120 10n
P120 10K
R120 2K7
C154 2n7
R154 5K6
R153 12K
C153 4n7
C128 22p
L114 15u
C126 10n
C129 22p
C130 56p
C123 330p
R141 0R
C122 u47
R140 0R
R121 2K2
Q111 SFSS.5MHz
R137 0R
R144 680R
F144
C144 560p
C147 10n
R151 0R
J102
R108 100R
L110 u33
T110 MMBTH 10LT1
R106 12R
R107 82R
C109 100n
R105 3K3
C107 22n
R104 10K
R103 0R
R102 0R
C101 1n0
C108 100n
C112 10p
F111
10 NC
9 V+
8 NA
7 AF O/P
6 CVBS
5 RF AGC
4 NC
3 NC
2 NC
1 IF I/P

IF 4112

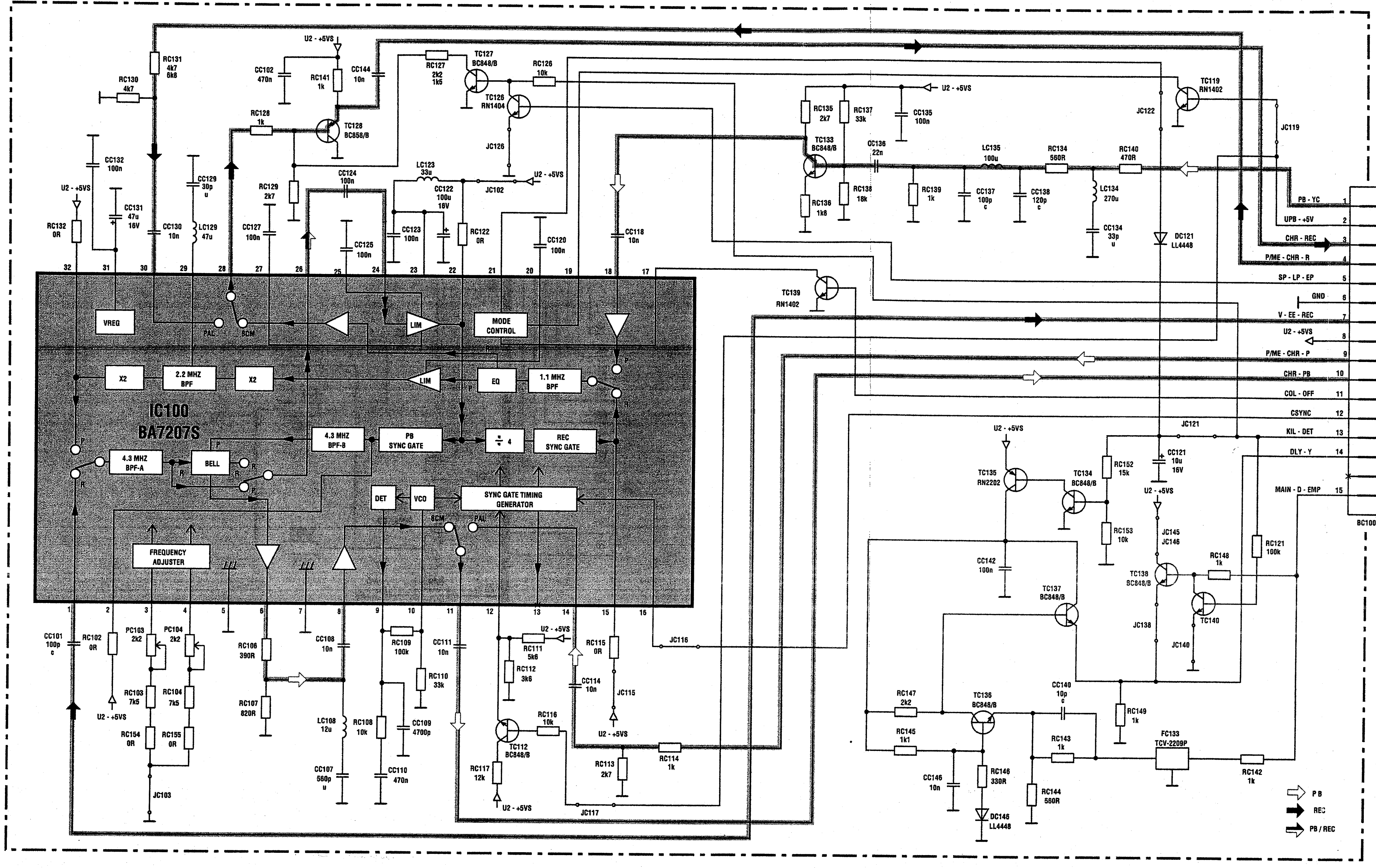

R115 220R
C115 39p
R114 820K
TP
C114 68n
R116 100R
C116 47u
C117 10n
C118 10n
C119 4U7
R118 33K
R117 15K
C121 1n0
13
12
F120
R122 1K0
C124 10n
R125 47R
C125 u47
R123 0R
R126 100R
U120 LA7577
TSF5395U Q121
TSF5315U Q120
C111 1n0
R111 330R
C110 1n0
R110 330R
R130 3K9
C127 47p
L113 47u
C120 10n
R119 2K7
R129 0R
C126 10n
R120 2K7
P120 10K
C154 2n7
R154 5K6
R153 12K
24
1
C128 22p
L114 15u
C129 22p
C130 56p
R141 0R
C123 330p
C122 u47
R121 2K2
R134 0R
R140 0R
Q112 SFS5.5MHz
Q113 SFS5.5MHz
R149 750R
R150 1K2
F149
F150
R144 0R
C151 10n
C149 560p
C150 390p
C153 4n7
10 NC
9 V+
8 NC
7 AF O/P
6 CVBS
5 RF AGC
4 NC
3 NC
2 NC
1 IF I/P
J102
R108 100R
L110 u33
TP
T110 MMBTH 10LT1
R106 12R
R107 82R
C109 100n
R105 3K3
C107 22n
R104 10K
R103 0R
R102 0R
C101 1n0
C108 100n
C112 10p
F111

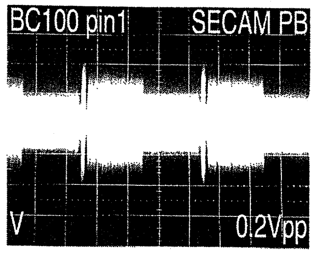
IF 4153 M


I150
TDA9815
VI FM1
VI FM3
TAGC
Vo OSS
Vo vid
VI vid
AFC
VCO1
VCO2
CVP/2
GND
CVAGC
Vp
INSWI
VI SIF
VI SIF
VI FM2
CAF1
CAF2
Vo AF2
Vo AF1
FMLSWI
Vo CVBS
STD
CSAGC
TPLL
TADJ
VI VIF
VI VIF
CBL/MAC
VI VIF
VI VIF
17
16
32
1
R186 12R
R187 1K5
C185 22n
R185 47R
T185 BC338
D185 5.6V
C170 10n
R160 10k
R164 15k
C169 22u
R181 12k
C157 22n
C190 47n
C191 22u
C192 3n3
R191 560R
Q190 SFSH5.5
R156 1K
T130 BC857B
R157 39K
R155 56R
R158 47K
TP2
R178 22k
R177 22k
C177 22n
F130
R153 220R
C155 39p
R152 22K
R151 15k
C160 2u2
C154 2u2
R188 470R
D153 LL4148
C186 220n
C148 680n
C152 10n
C163 10n
C162 47u
C161 2u2
P150 22K
C171 100n
C150 100n
R128 15K
D104 IN4148
D103 IN4148
C151 10n
F110 OFWK3953M
F115 OFWG3964M
R162 12k
R165 0R
R166 22k
R127 10K
T150 RN1404
C145 10n
T145 RN1404
TP1
F120 OFWK9453M
J101
R142 4k7
D141 BA582
C141 1n
R125 47R
R126 0R
R124 100R
C121 1n
C140 1n
C143 22n
D140 BA582
T120 MMBTH10LT1
R141 2k7
12V
R122 22R
L120 u33
R123 10R
R140 4k7
R120 12k
R121 1k
F102 31,9MHz
68p
T140 RN1404
R143 2k7
C120 22n
C104 4p7
C102 5p6
R104 180R
C105 6p8
F101 40,4MHz
68p
C110 56p
R108 15k
C103 6p8
C109 15p
C107 27p
C111 22n
R106 15k
D102 BA582
R107 15k
C101 1n
D101 BA582
R105 15k
R103 4k7
C108 100n
R101 10R
T110 BC857B
10
1
12V
AM/AF
VIDEO
AGC
NORM
L`HIGH
B/G
IF

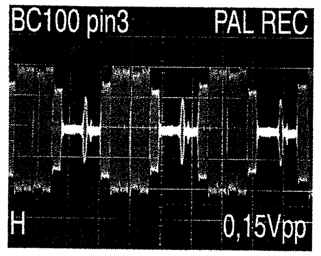
SECAM SUB BOARD - PLATINE SECAM - SUB MODUL SECAM - PIASTRA SECAM - PLATINA SECAM

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA

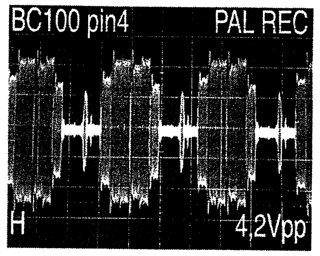

IC100
BA7207S
VREQ
PAL
SCM
LIM
MODE CONTROL
X2
2.2 MHZ BPF
X2
LIM
EQ
1.1 MHZ BPF
4.3 MHZ BPF-B
PB SYNC GATE
÷ 4
REC SYNC GATE
4.3 MHZ BPF-A
BELL
DET
VCO
SYNC GATE TIMING GENERATOR
FREQUENCY ADJUSTER
RC131 4k7 6k8
RC130 4k7
CC132 100n
CC131 47u 16V
RC132 0R
CC130 10n
CC129 30p
LC129 47u
RC128 1k
TC128 BC858/B
CC102 470n
RC141 1k
CC144 10n
RC129 2k7
CC127 100n
RC127 2k2 1k5
TC127 BC848/B
TC126 RN1404
RC126 10k
JC126
CC124 100n
LC123 33u
CC122 100u 16V
JC102
CC125 100n
CC123 100n
RC122 0R
CC120 100n
CC118 10n
U2 - +5VS
RC135 2k7
RC137 33k
CC135 100n
TC133 BC848/B
CC136 22n
LC135 100u
RC134 560R
RC140 470R
TC119 RN1402
JC122
JC119
RC136 1k8
RC138 18k
RC139 1k
CC137 100p
CC138 120p
LC134 270u
CC134 33p
DC121 LL4448
TC139 RN1402
PB - YC
UPB - +5V
CHR - REC
P/ME - CHR - R
SP - LP - EP
GND
V - EE - REC
U2 - +5VS
P/ME - CHR - P
CHR - PB
COL - OFF
CSYNC
KIL - DET
DLY - Y
MAIN - D - EMP
BC100
to MAIN BOARD
MAIN VIDEO
PAL/MES/SEC/NTSC
(Voir pages
37,41 ou 45)
JC121
TC135 RN2202
TC134 BC848/B
RC152 15k
CC121 10u 16V
RC153 10k
JC145 JC146
TC138 BC848/B
RC148 1k
RC121 100k
CC142 100n
TC137 BC848/B
JC138
TC140
JC140
RC147 2k2
TC136 BC848/B
CC140 10p
RC149 1k
RC145 1k1
RC143 1k
FC133 TCV-2209P
RC142 1k
CC146 10n
RC146 330R
RC144 560R
DC146 LL4448
CC101 100p
RC102 0R
PC103 2k2
PC104 2k2
RC103 7k5
RC104 7k5
RC154 0R
RC155 0R
JC103
RC106 390R
RC107 820R
CC108 10n
RC109 100k
CC111 10n
RC110 33k
LC108 12u
RC108 10k
CC109 4700p
CC107 560p
CC110 470n
RC111 5k6
RC112 3k6
RC115 0R
CC114 10n
JC115
JC116
RC116 10k
TC112 BC848/B
RC117 12k
RC113 2k7
RC114 1k
JC117
PB
REC
PB / REC



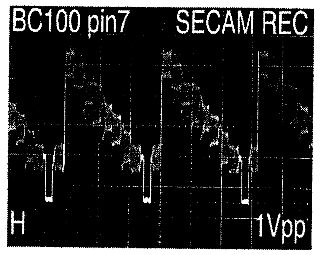
①



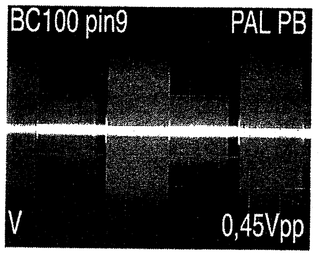
②



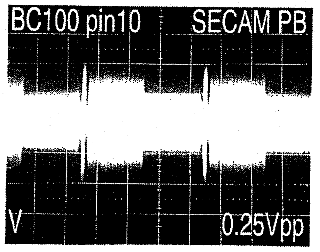
③



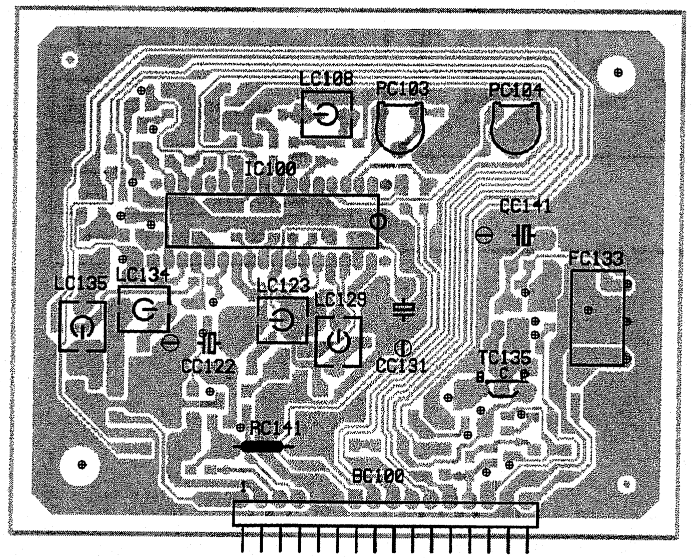
④



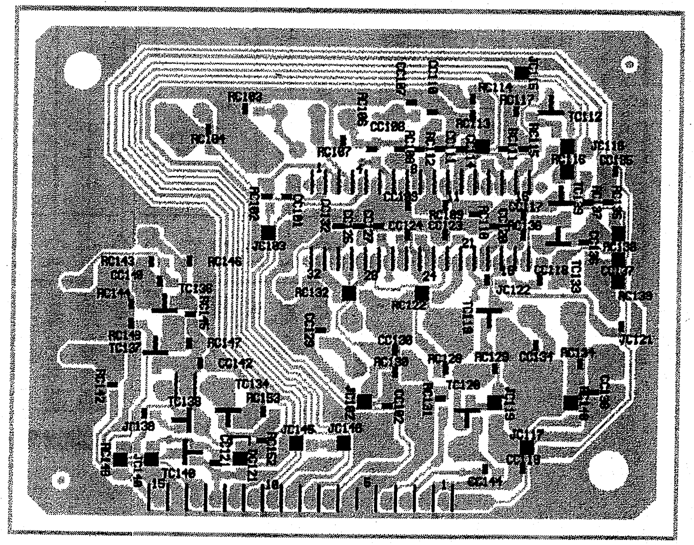
⑤



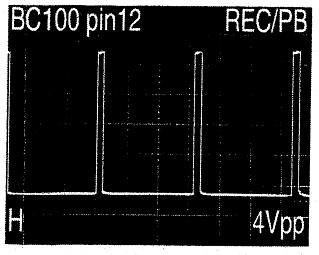
⑥


LC108
PC103
PC104
TC100
CC141
FC133
LC135
LC134
LC123
LC129
CC122
CC131
TC135
RC141
BC100

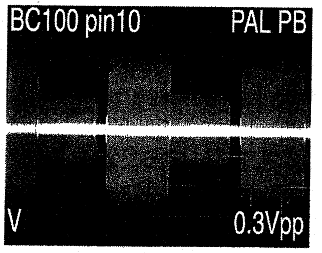
Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes



Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre



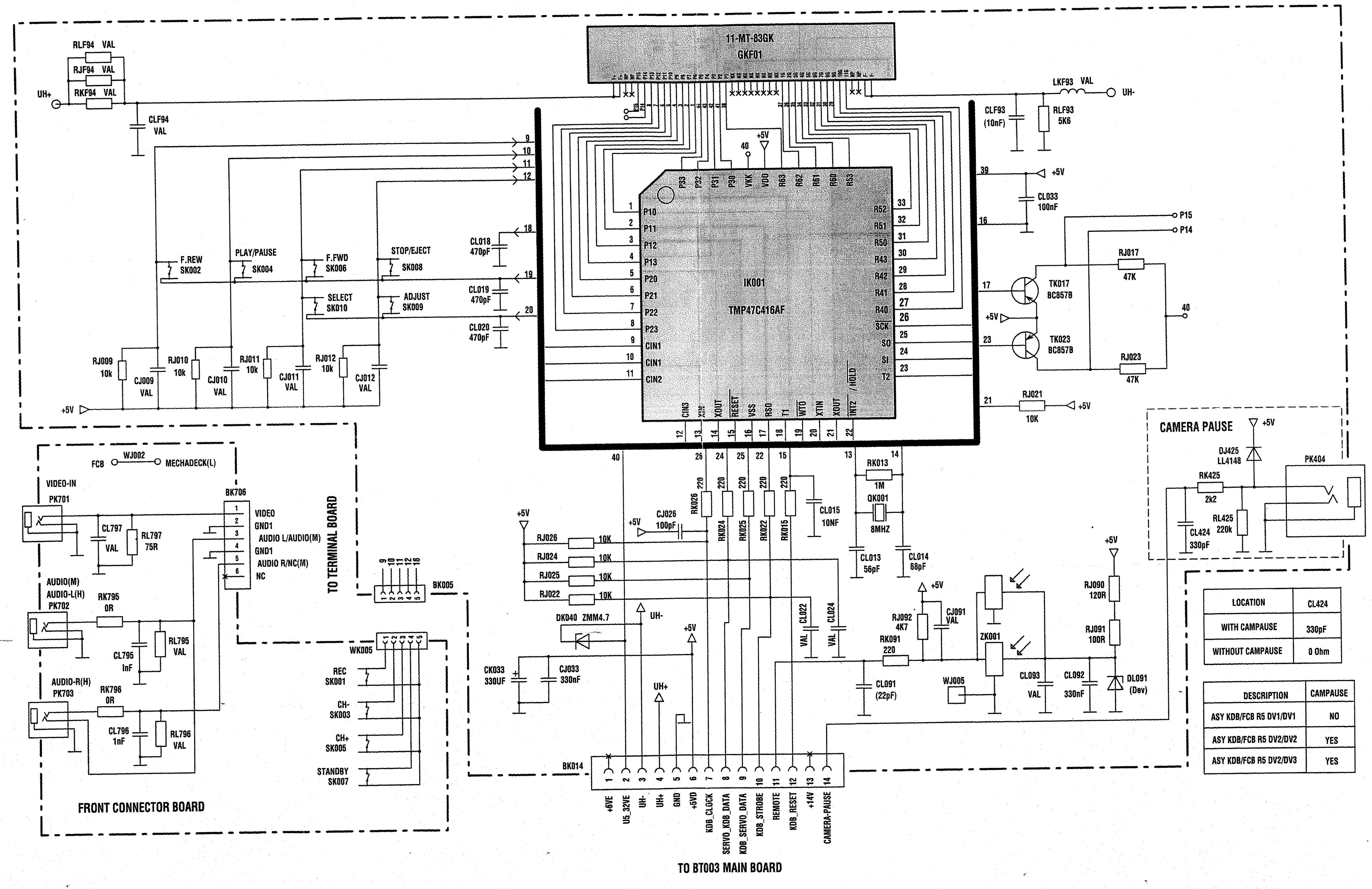
⑦



⑥

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VP 2601)

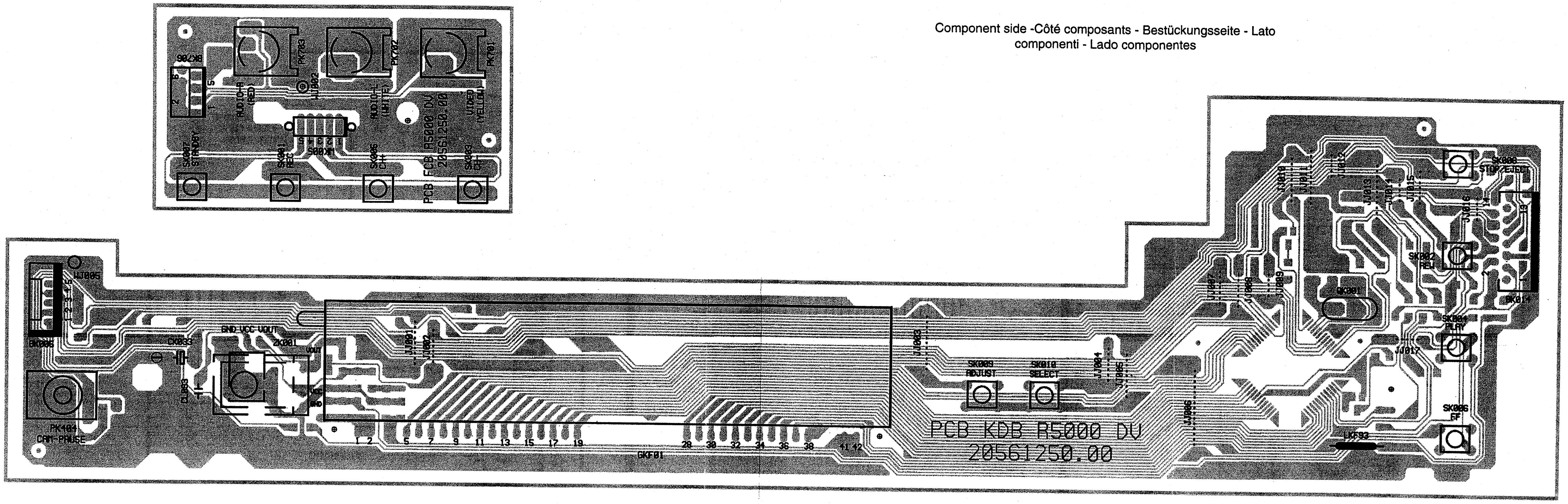

11-MT-83GK
GKF01
IK001
TMP47C416AF
RLF94 VAL
RJF94 VAL
RKF94 VAL
UH+
CLF94 VAL
LKF93 VAL
UH-
CLF93 (10nF)
RLF93 5K6
CL033 100nF
P15
P14
RJ017 47K
TK017 BC857B
TK023 BC857B
RJ023 47K
RJ021 10K
+5V
F.REW SK002
PLAY/PAUSE SK004
F.FWD SK006
STOP/EJECT SK008
SELECT SK010
ADJUST SK009
CL018 470pF
CL019 470pF
CL020 470pF
RJ009 10k
CJ009 VAL
RJ010 10k
CJ010 VAL
RJ011 10k
CJ011 VAL
RJ012 10k
CJ012 VAL
CAMERA PAUSE
DJ425 LL4148
RK425 2k2
PK404
RL425 220k
CL424 330pF
FCB
WJ002
MECHADECK(L)
VIDEO-IN
PK701
CL797 VAL
RL797 75R
BK706
VIDEO
GND1
AUDIO L/AUDIO(M)
GND1
AUDIO R/NC(M)
NC
TO TERMINAL BOARD
BK005
AUDIO(M)
AUDIO-L(H)
PK702
RK795 0R
CL795 lnF
RL795 VAL
AUDIO-R(H)
PK703
RK796 0R
CL796 1nF
RL796 VAL
WK005
REC SK001
CH- SK003
CH+ SK005
STANDBY SK007
FRONT CONNECTOR BOARD
RJ026 10K
RJ024 10K
RJ025 10K
RJ022 10K
CJ026 100pF
DK040 ZMM4.7
CK033 330UF
CJ033 330nF
RK026 220
RK024 220
RK025 220
RK022 220
RK016 220
CL015 10NF
CL022 VAL
CL024 VAL
RK013 1M
QK001 8MHZ
CL013 56pF
CL014 68pF
RJ092 4K7
CJ091 VAL
RK091 220
ZK001
CL091 (22pF)
WJ005
CL093 VAL
CL092 330nF
RJ090 120R
RJ091 100R
DL091 (Dev)
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO BT003 MAIN BOARD

LOCATION	CL424
WITH CAMPAUSE	330pF
WITHOUT CAMPAUSE	0 Ohm

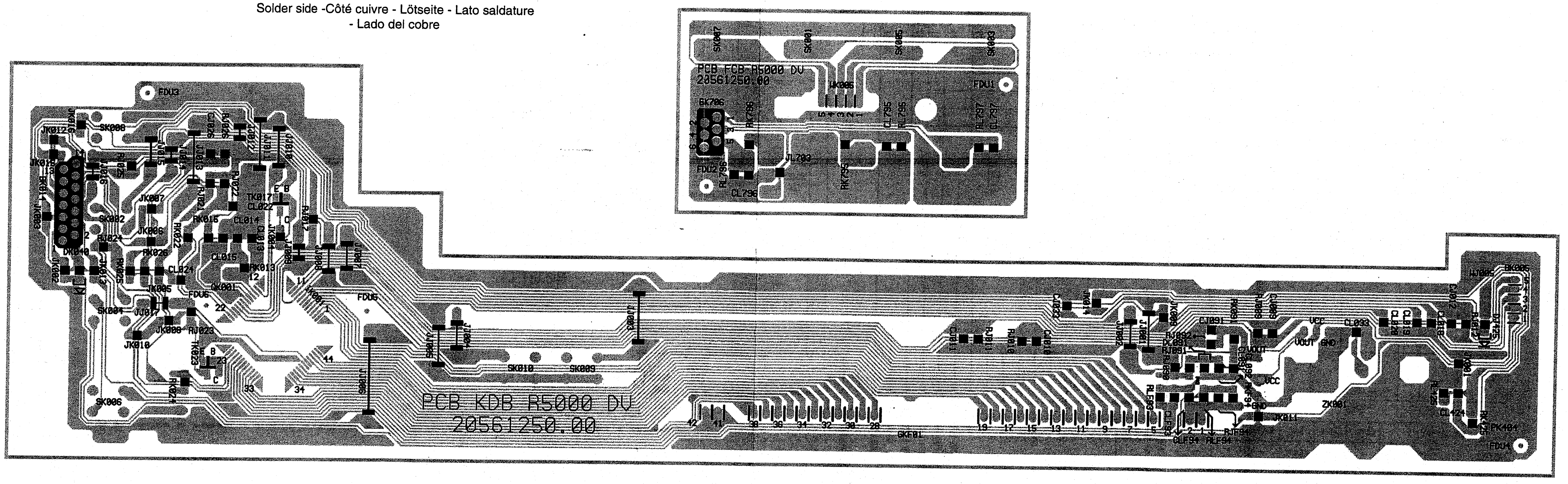
DESCRIPTION	CAMPAUSE
ASY KDB/FCB R5 DV1/DV1	NO
ASY KDB/FCB R5 DV2/DV2	YES
ASY KDB/FCB R5 DV2/DV3	YES

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (VP 2601)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

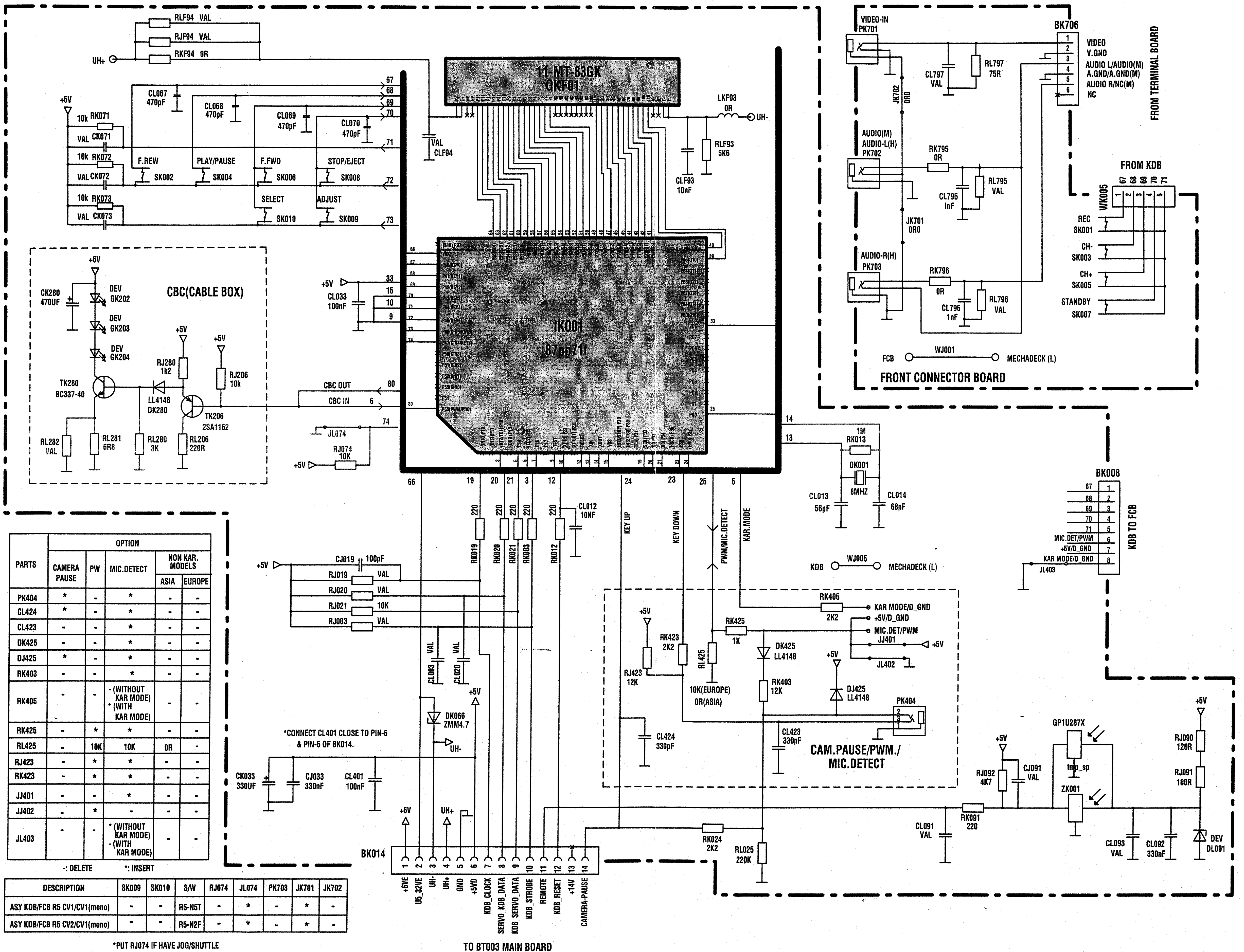

PCB FCB R5000 DV
20561250.00
AUDIO-R (RED)
AUDIO-L (WHITE)
VIDEO (YELLOW)
PK703
PK702
PK701
SK706
SK007 STANDBY
SK001 REC
SK005 CH+
SK003 CH-
SK008 STOP/EJECT
SK002 REW
SK004 PLAY
SK006 FF
SK009 ADJUST
SK010 SELECT
PK401 CAM-PAUSE
GND VCC VOUT
ZK001
WJ005
SK005
CK003
CL033
GKF01
JJ001
JJ002
JJ003
JJ004
JJ005
JJ006
JJ007
JJ008
JJ009
JJ010
JJ011
JJ012
JJ013
JJ014
JJ015
JJ016
JJ017
SK001
SK014
LKF03
PCB KDB R5000 DV
20561250.00

Solder side -Côté cuivre - Lötseite - Lato saldatura - Lado del cobre


PCB FCB R5000 DV
20561250.00
SK007
SK001
SK005
SK003
WK005
SK706
FDU1
FDU2
FDU3
FDU4
FDU5
FDU6
RK796
CL795
RL795
RL797
CL797
RL796
CL796
JL793
RK795
SK008
SK002
SK004
SK006
SK001
SK010
SK009
GKF01
ZK001
JK011
PK401
WJ005
SK005
VCC
VOUT
GND
PCB KDB R5000 DV
20561250.00

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VP 2651 / VP 4681)


RLF94 VAL
RJF94 VAL
RKF94 0R
UH+
11-MT-83GK
GKF01
IK001
87pp71f
LKF93 0R
UH-
RLF93 5K6
CLF93 10nF
VAL CLF94
CL067 470pF
CL068 470pF
CL069 470pF
CL070 470pF
+5V
10k RK071
VAL CK071
10k RK072
VAL CK072
10k RK073
VAL CK073
F.REW SK002
PLAY/PAUSE SK004
F.FWD SK006
STOP/EJECT SK008
SELECT SK010
ADJUST SK009
CBC(CABLE BOX)
CK280 470UF
DEV GK202
DEV GK203
DEV GK204
TK280 BC337-40
LL4148 DK280
RJ280 1k2
RJ206 10k
TK206 2SA1162
RL282 VAL
RL281 6R8
RL280 3K
RL206 220R
+5V
CL033 100nF
CBC OUT
CBC IN
JL074
RJ074 10K
RK019 220
RK020 220
RK021 220
RK003 220
RK012 220
CL012 10NF
KEY UP
KEY DOWN
PWM/MIC.DETECT
KAR.MODE
CJ019 100pF
RJ019 VAL
RJ020 VAL
RJ021 10K
RJ003 VAL
CL003 VAL
CL020 VAL
DK066 ZMM4.7
*CONNECT CL401 CLOSE TO PIN-6 & PIN-5 OF BK014.
CK033 330UF
CJ033 330nF
CL401 100nF
+6V
UH+
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO BT003 MAIN BOARD
RK024 2K2
RL025 220K
1M RK013
QK001 8MHZ
CL013 56pF
CL014 68pF
KDB WJ005 MECHADECK (L)
RK405 2K2
KAR MODE/D_GND
+5V/D_GND
MIC.DET/PWM
JJ401
JL402
RK425 1K
RK423 2K2
RJ423 12K
RL425 10K(EUROPE) 0R(ASIA)
DK425 LL4148
RK403 12K
DJ425 LL4148
PK404
CL424 330pF
CL423 330pF
CAM.PAUSE/PWM./ MIC.DETECT
VIDEO-IN PK701
BK706
VIDEO
V.GND
AUDIO L/AUDIO(M)
A.GND/A.GND(M)
AUDIO R/NC(M)
NC
FROM TERMINAL BOARD
CL797 VAL
RL797 75R
JK702 0R0
AUDIO(M) AUDIO-L(H) PK702
RK795 0R
CL795 InF
RL795 VAL
JK701 0R0
AUDIO-R(H) PK703
RK796 0R
CL796 1nF
RL796 VAL
FROM KDB
WK005
REC SK001
CH- SK003
CH+ SK005
STANDBY SK007
FCB WJ001 MECHADECK (L)
FRONT CONNECTOR BOARD
BK008
MIC.DET/PWM
+5V/D_GND
KAR MODE/D_GND
JL403
KDB TO FCB
GP1U287X
tmp_sp
ZK001
RJ092 4K7
CJ091 VAL
RK091 220
CL091 VAL
RJ090 120R
RJ091 100R
CL093 VAL
CL092 330nF
DEV DL091

PARTS	OPTION				
	CAMERA PAUSE	PW	MIC.DETECT	NON KAR. MODELS	
				ASIA	EUROPE
PK404	*	-	*	-	-
CL424	*	-	*	-	-
CL423	-	-	*	-	-
DK425	-	-	*	-	-
DJ425	*	-	*	-	-
RK403	-	-	*	-	-
RK405	-	-	- (WITHOUT KAR MODE) * (WITH KAR MODE)	-	-
RK425	-	*	*	-	-
RL425	-	10K	10K	0R	-
RJ423	-	*	*	-	-
RK423	-	*	*	-	-
JJ401	-	-	*	-	-
JJ402	-	*	-	-	-
JL403	-	-	* (WITHOUT KAR MODE) - (WITH KAR MODE)	-	-

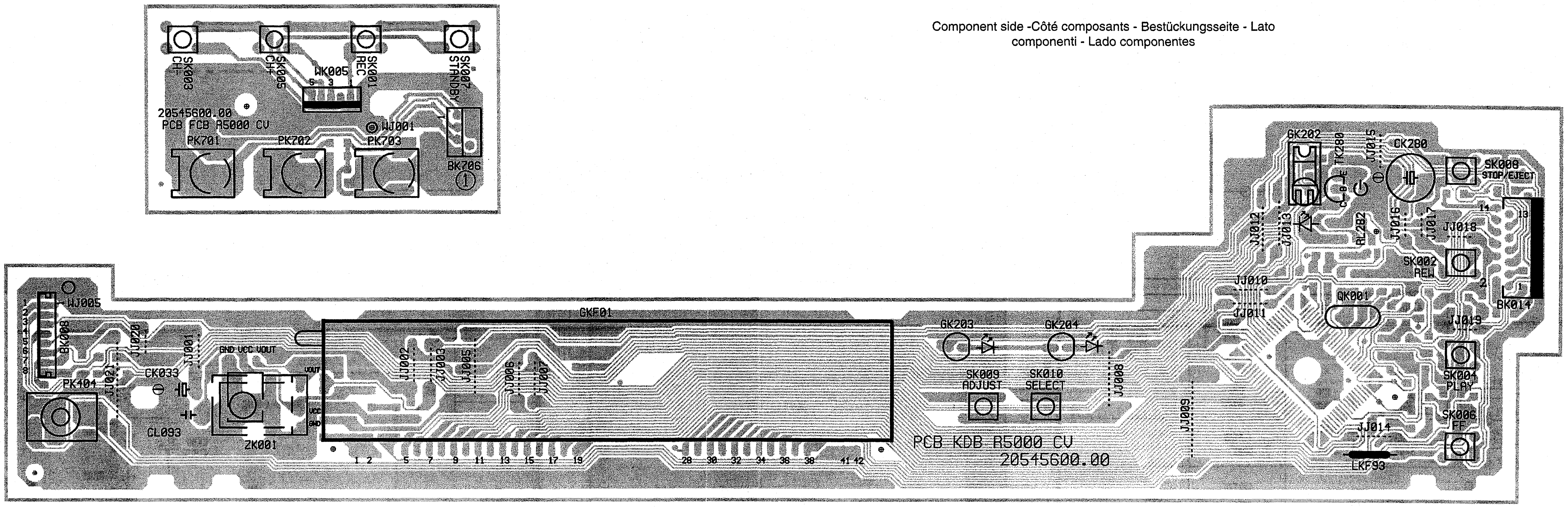
-: DELETE *: INSERT

DESCRIPTION	SK009	SK010	S/W	RJ074	JL074	PK703	JK701	JK702
ASY KDB/FCB R5 CV1/CV1(mono)	-	-	R5-N5T	-	*	-	*	-
ASY KDB/FCB R5 CV2/CV1(mono)	-	-	R5-N2F	-	*	-	*	-

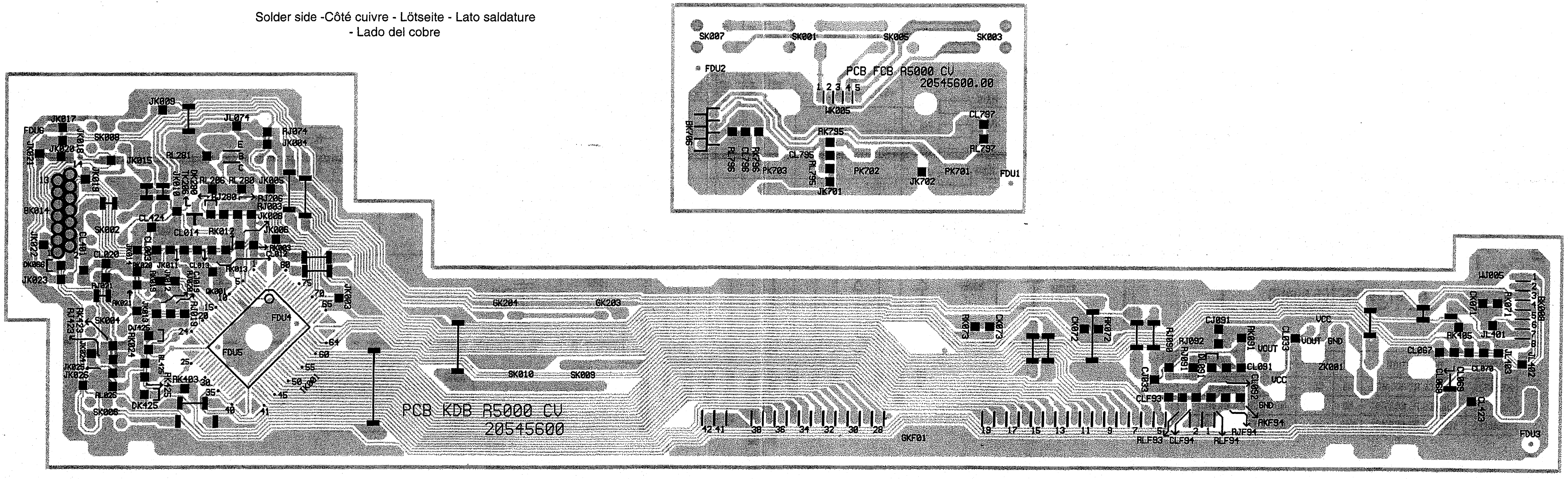
*PUT RJ074 IF HAVE JOG/SHUTTLE
JL704 IF NO JOG/SHUTTLE

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (VP 2651 / VP 4681)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

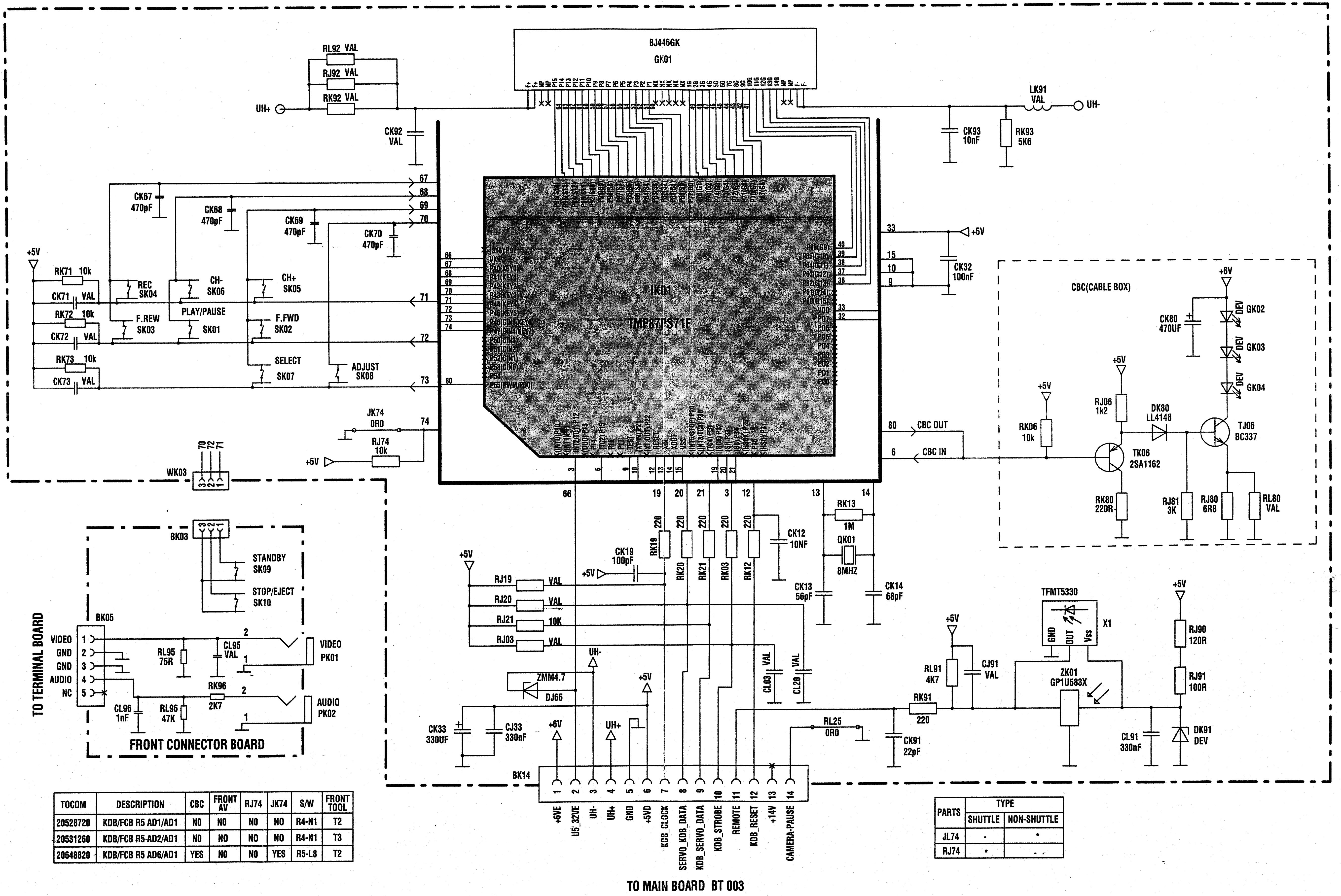

SK003 CH-
SK005 CH+
WK005
SK001 REC
SK007 STANDBY
20545600.00
PCB FCB R5000 CV
WJ001
PK701
PK702
PK703
BK706
GK202
TK280
JJ015
CK280
SK008 STOP/EJECT
JJ012
JJ013
RL282
JJ016
JJ017
JJ018
SK002 REW
JJ010
JJ011
QK001
BK014
JJ019
SK004 PLAY
SK006 FF
JJ014
LKF93
WJ005
BK008
JJ021
JJ020
JJ001
PK404
CK033
CL093
GND VCC VOUT
ZK001
GKF01
JJ002
JJ003
JJ005
JJ006
JJ007
GK203
GK204
SK009 ADJUST
SK010 SELECT
JJ008
JJ009
PCB KDB R5000 CV
20545600.00

Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre


SK007
SK001
SK005
SK003
FDU2
PCB FCB R5000 CV
20545600.00
WK005
BK706
RK795
CL797
RL797
CL795
PK703
PK702
PK701
JK702
JK701
FDU1
JK009
JL074
RJ074
JK004
JK017
FDU6
SK008
JK015
RL281
RL280
JK005
CL424
SK002
RK012
JK006
CL020
JK011
BK014
SK004
FDU4
FDU5
RK403
DK425
SK006
GK204
GK203
SK010
SK009
PCB KDB R5000 CV
20545600
GKF01
CJ891
VCC
VOUT
GND
ZK001
RK405
JL401
CL067
FDU3
JJ005
RLF93
CLF94
RLF94
RKF94
CLF93

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VP 4601)

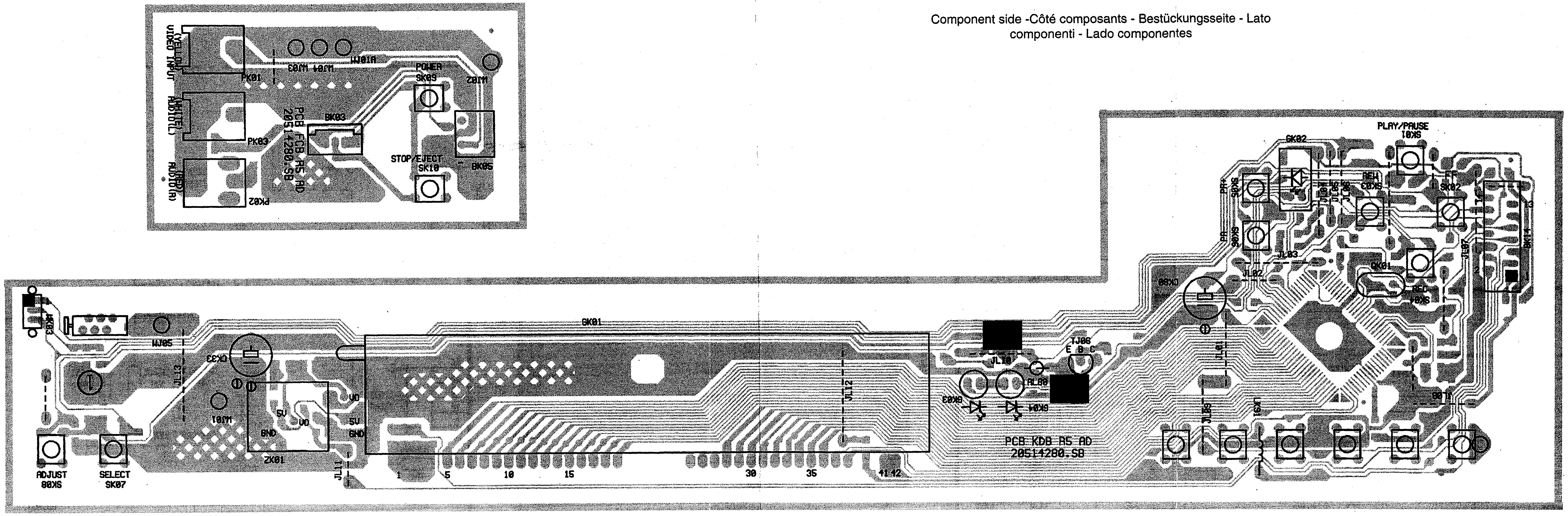

BJ446GK
GK01
RL92 VAL
RJ92 VAL
RK92 VAL
UH+
CK92 VAL
LK91 VAL
UH-
CK93 10nF
RK93 5K6
CK67 470pF
CK68 470pF
CK69 470pF
CK70 470pF
+5V
RK71 10k
CK71 VAL
RK72 10k
CK72 VAL
RK73 10k
CK73 VAL
REC SK04
CH- SK06
CH+ SK05
F.REW SK03
PLAY/PAUSE SK01
F.FWD SK02
SELECT SK07
ADJUST SK08
IK01
TMP87PS71F
CK32 100nF
CBC(CABLE BOX)
CK80 470UF
GK02
GK03
GK04
DEV
RJ06 1k2
DK80 LL4148
TJ06 BC337
RK06 10k
TK06 2SA1162
RK80 220R
RJ81 3K
RJ80 6R8
RL80 VAL
CBC OUT
CBC IN
JK74 0R0
RJ74 10k
WK03
BK03
STANDBY SK09
STOP/EJECT SK10
BK05
TO TERMINAL BOARD
VIDEO
GND
GND
AUDIO
NC
RL95 75R
CL95 VAL
RK96 2K7
CL96 1nF
RL96 47K
VIDEO PK01
AUDIO PK02
FRONT CONNECTOR BOARD
RK19 220
RK20 220
RK21 220
RK03 220
RK12 220
CK12 10NF
RK13 1M
QK01 8MHZ
CK13 56pF
CK14 68pF
CK19 100pF
RJ19 VAL
RJ20 VAL
RJ21 10K
RJ03 VAL
ZMM4.7 DJ66
CK33 330UF
CJ33 330nF
CL03 VAL
CL20 VAL
TFMT5330
X1
GND OUT Vss
RL91 4K7
CJ91 VAL
RK91 220
ZK01 GP1U583X
RL25 0R0
CK91 22pF
RJ90 120R
RJ91 100R
CL91 330nF
DK91 DEV
BK14
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO MAIN BOARD BT 003

TOCOM	DESCRIPTION	CBC	FRONT AV	RJ74	JK74	S/W	FRONT TOOL
20528720	KDB/FCB R5 AD1/AD1	NO	NO	NO	NO	R4-N1	T2
20531260	KDB/FCB R5 AD2/AD1	NO	NO	NO	NO	R4-N1	T3
20648820	KDB/FCB R5 AD6/AD1	YES	NO	NO	YES	R5-L8	T2

PARTS	TYPE	
	SHUTTLE	NON-SHUTTLE
JL74	-	*
RJ74	*	-

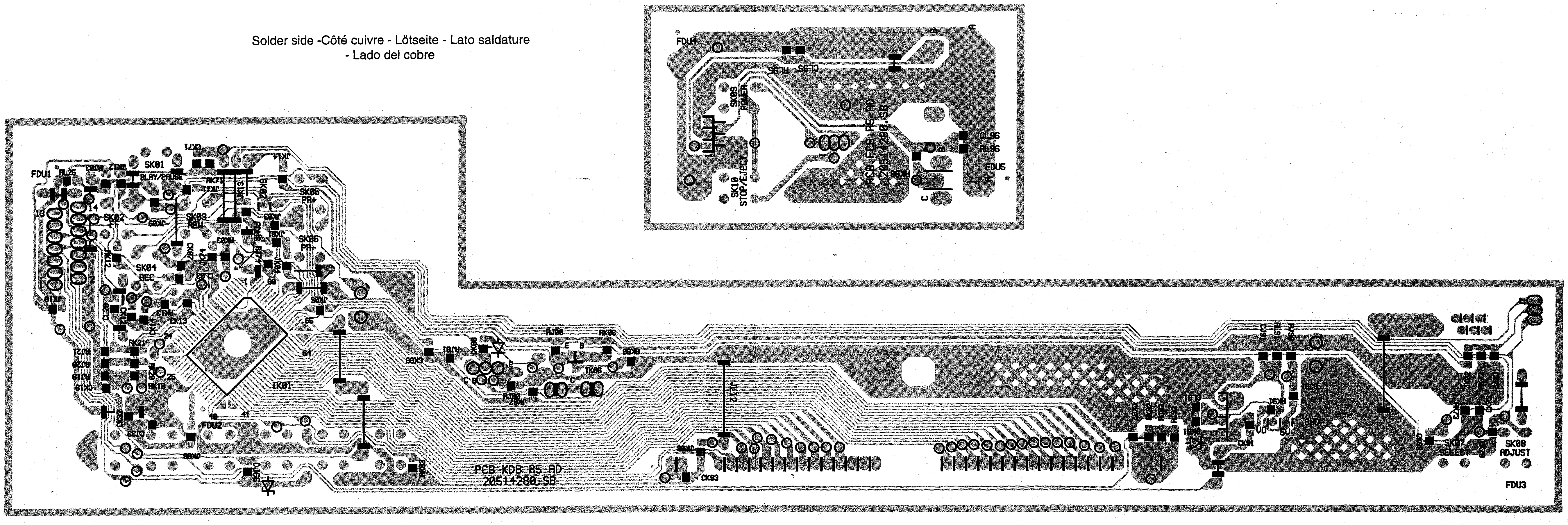
Updated 01 / 97

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (VP 4601)


Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

VIDEO INPUT (YELLOW)
AUDIO(L) (WHITE)
AUDIO(R) (RED)
PK01
PK03
PK02
POWER
SK09
STOP/EJECT
SK10
BK03
BK05
PCB FCB R5 AD
20514280.SB
PLAY/PAUSE
SK01
SK02
SK03
SK04
SK05
SK06
REW
FF
REC
PR+
PR-
GK01
GK02
GK03
CK01
CK33
ZK01
TJ06
JL10
JL11
JL12
JL13
RL80
WJ05
5V
GND
V0
ADJUST
SK08
SELECT
SK07
PCB KDB R5 AD
20514280.SB
1
5
10
15
30
35
41 42

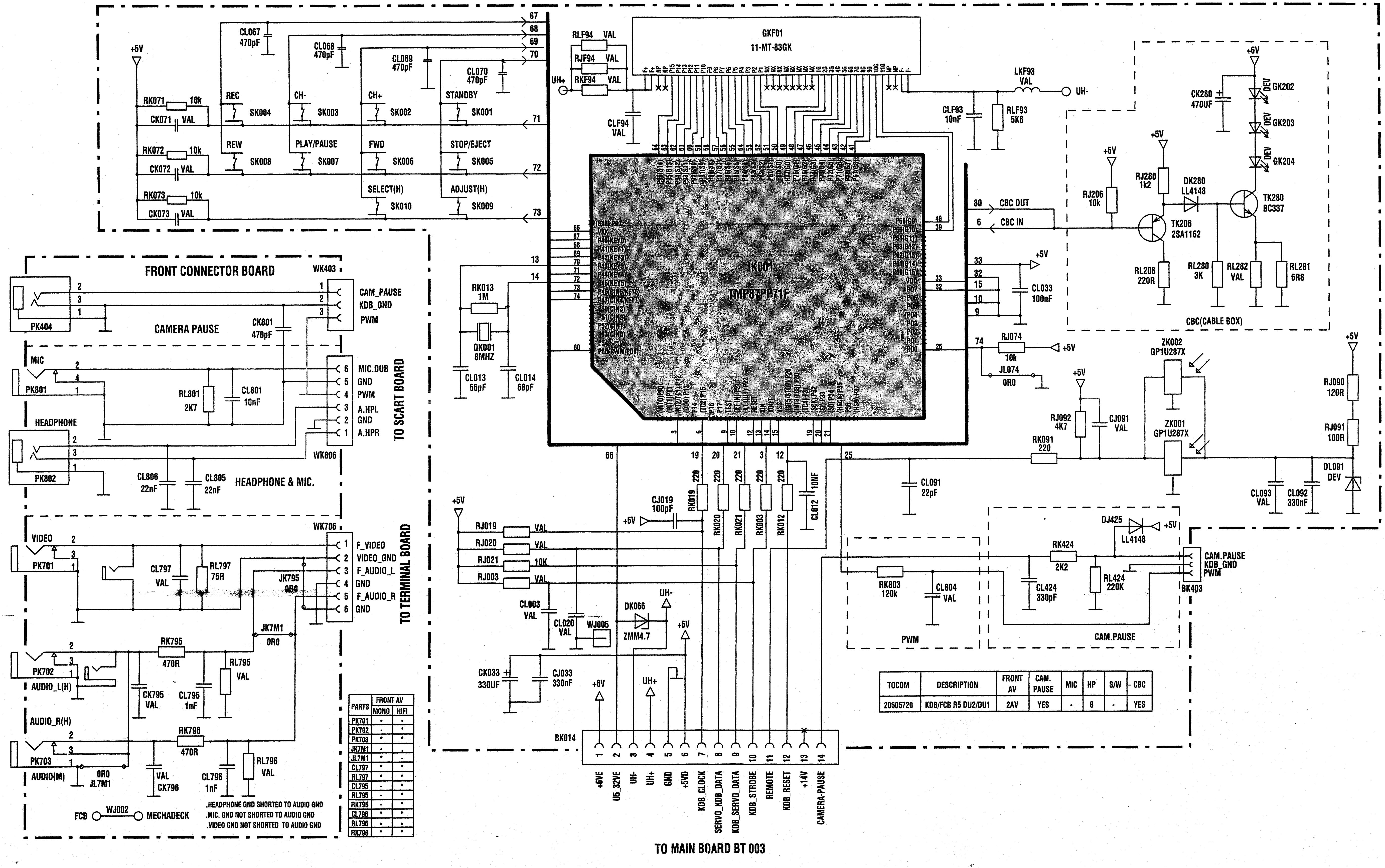
Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre



FDU1
FDU2
FDU3
FDU4
FDU5
SK01
PLAY/PAUSE
SK02
SK03
REW
SK04
REC
SK05
PR-
SK06
PR+
IK01
SK09
POWER
SK10
STOP/EJECT
CL96
RL96
PCB FCB R5 AD
20514280.SB
JL12
CK93
SK07
SELECT
SK08
ADJUST
PCB KDB R5 AD
20514280.SB

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (M 9625 / M 9655)

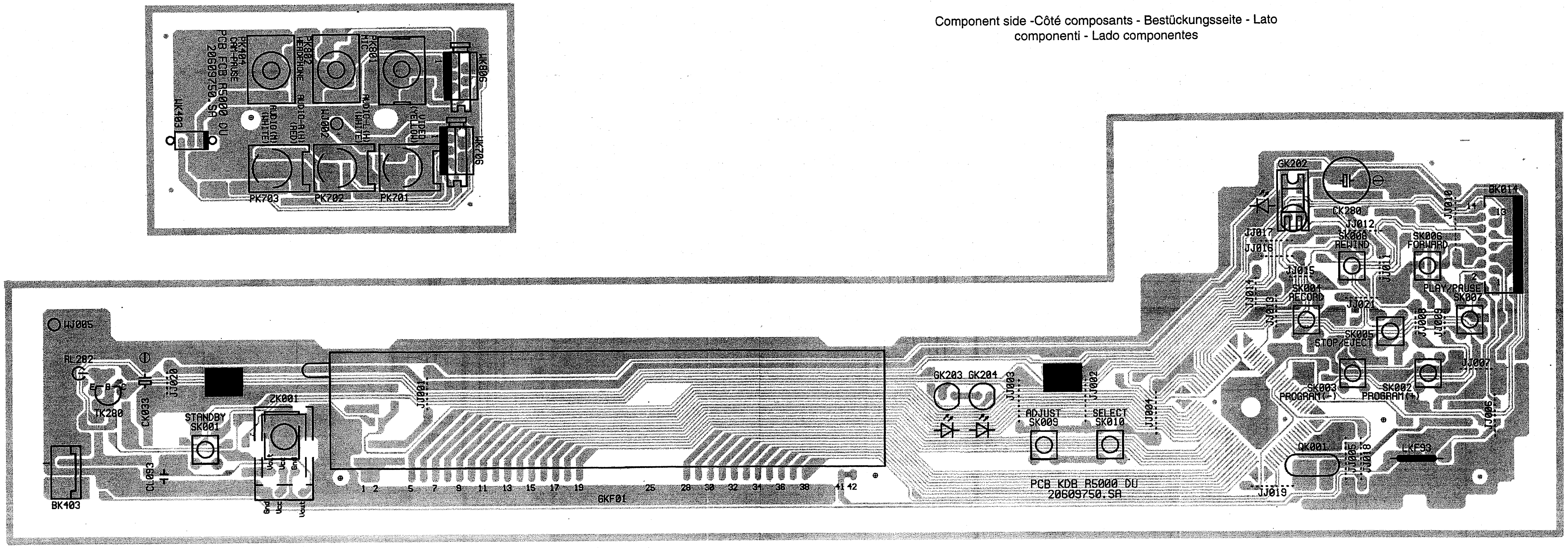

GKF01
11-MT-83GK
IK001
TMP87PP71F
QK001 8MHZ
RK013 1M
CL013 56pF
CL014 68pF
RLF94 VAL
RJF94 VAL
RKF94 VAL
CLF94 VAL
UH+
LKF93 VAL
UH-
CLF93 10nF
RLF93 5K6
CL067 470pF
CL068 470pF
CL069 470pF
CL070 470pF
+5V
RK071 10k
CK071 VAL
RK072 10k
CK072 VAL
RK073 10k
CK073 VAL
REC SK004
CH- SK003
CH+ SK002
STANDBY SK001
REW SK008
PLAY/PAUSE SK007
FWD SK006
STOP/EJECT SK005
SELECT(H) SK010
ADJUST(H) SK009
FRONT CONNECTOR BOARD
WK403
CAM_PAUSE
KDB_GND
PWM
PK404
CAMERA PAUSE
CK801 470pF
MIC
PK801
RL801 2K7
CL801 10nF
MIC.DUB
GND
PWM
A.HPL
GND
A.HPR
TO SCART BOARD
HEADPHONE
PK802
WK806
CL806 22nF
CL805 22nF
HEADPHONE & MIC.
VIDEO
PK701
WK706
CL797 VAL
RL797 75R
JK795 0R0
F_VIDEO
VIDEO_GND
F_AUDIO_L
GND
F_AUDIO_R
GND
TO TERMINAL BOARD
JK7M1 0R0
RK795 470R
RL795 VAL
PK702
AUDIO_L(H)
CK795 VAL
CL795 1nF
AUDIO_R(H)
RK796 470R
PK703
AUDIO(M)
0R0 JL7M1
VAL CK796
CL796 1nF
RL796 VAL
FCB
WJ002
MECHADECK
CBC OUT
CBC IN
CL033 100nF
RJ074 10k
JL074 0R0
CK280 470UF
GK202
GK203
GK204
DEV
RJ206 10k
RJ280 1k2
DK280 LL4148
TK280 BC337
TK206 2SA1162
RL206 220R
RL280 3K
RL282 VAL
RL281 6R8
CBC(CABLE BOX)
ZK002 GP1U287X
ZK001 GP1U287X
RJ092 4K7
CJ091 VAL
RK091 220
RJ090 120R
RJ091 100R
DL091 DEV
CL093 VAL
CL092 330nF
CL091 22pF
CJ019 100pF
RK019 220
RK020 220
RK021 220
RK003 220
RK012 220
CL012 10NF
RJ019 VAL
RJ020 VAL
RJ021 10K
RJ003 VAL
CL003 VAL
CL020 VAL
WJ005
DK066 ZMM4.7
CK033 330UF
CJ033 330nF
+6V
DJ425 LL4148
RK424 2K2
RL424 220K
CL424 330pF
RK803 120k
CL804 VAL
PWM
CAM.PAUSE
BK403
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO MAIN BOARD BT 003

.HEADPHONE GND SHORTED TO AUDIO GND
.MIC. GND NOT SHORTED TO AUDIO GND
.VIDEO GND NOT SHORTED TO AUDIO GND

PARTS	FRONT AV	
	MONO	HIFI
PK701	*	*
PK702	-	*
PK703	*	*
JK7M1	*	-
JL7M1	*	-
CL797	*	*
RL797	*	*
CL795	-	*
RL795	-	*
RK795	-	*
CL796	*	*
RL796	*	*
RK796	*	*

TOCOM	DESCRIPTION	FRONT AV	CAM. PAUSE	MIC	HP	S/W	CBC
20605720	KDB/FCB R5 DU2/DU1	2AV	YES	-	8	-	YES

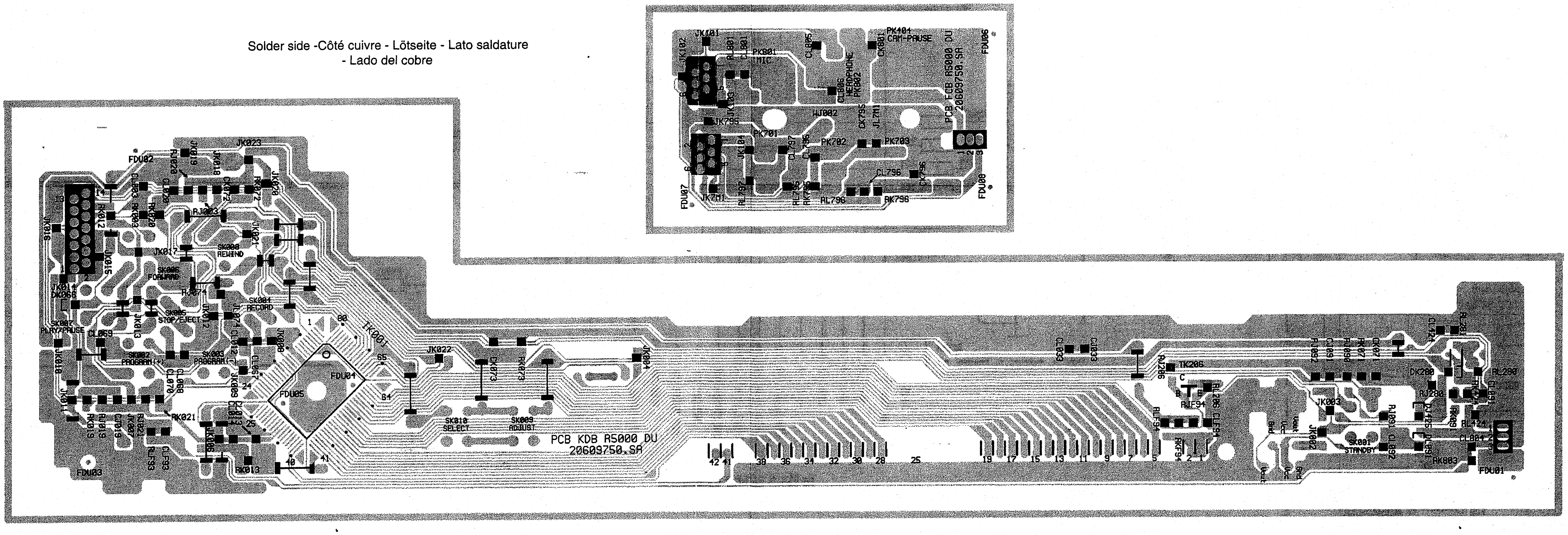
KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (M 9625 / M 9655)


PK404 CAM-PAUSE
PCB FCB R5000 DU
20609750.SA
PK802 HEADPHONE
PK801 MIC
WK806
WK706
WK403
PK703
PK702
PK701

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

GK202
CK280
BK014
JJ017
JJ016
JJ012
SK008 REWIND
SK006 FORWARD
JJ015
SK004 RECORD
PLAY/PAUSE SK007
SK005 STOP/EJECT
SK003 PROGRAM(-)
SK002 PROGRAM(+)
JJ007
WJ005
RL282
TK280
CK033
JJ020
STANDBY SK001
ZK001
GK203 GK204
JJ003
JJ002
JJ001
ADJUST SK009
SELECT SK010
JJ004
QK001
LKF93
JJ019
BK403
GKF01
1 2 5 7 9 11 13 15 17 19 25 28 30 32 34 36 38 41 42
PCB KDB R5000 DU
20609750.SA

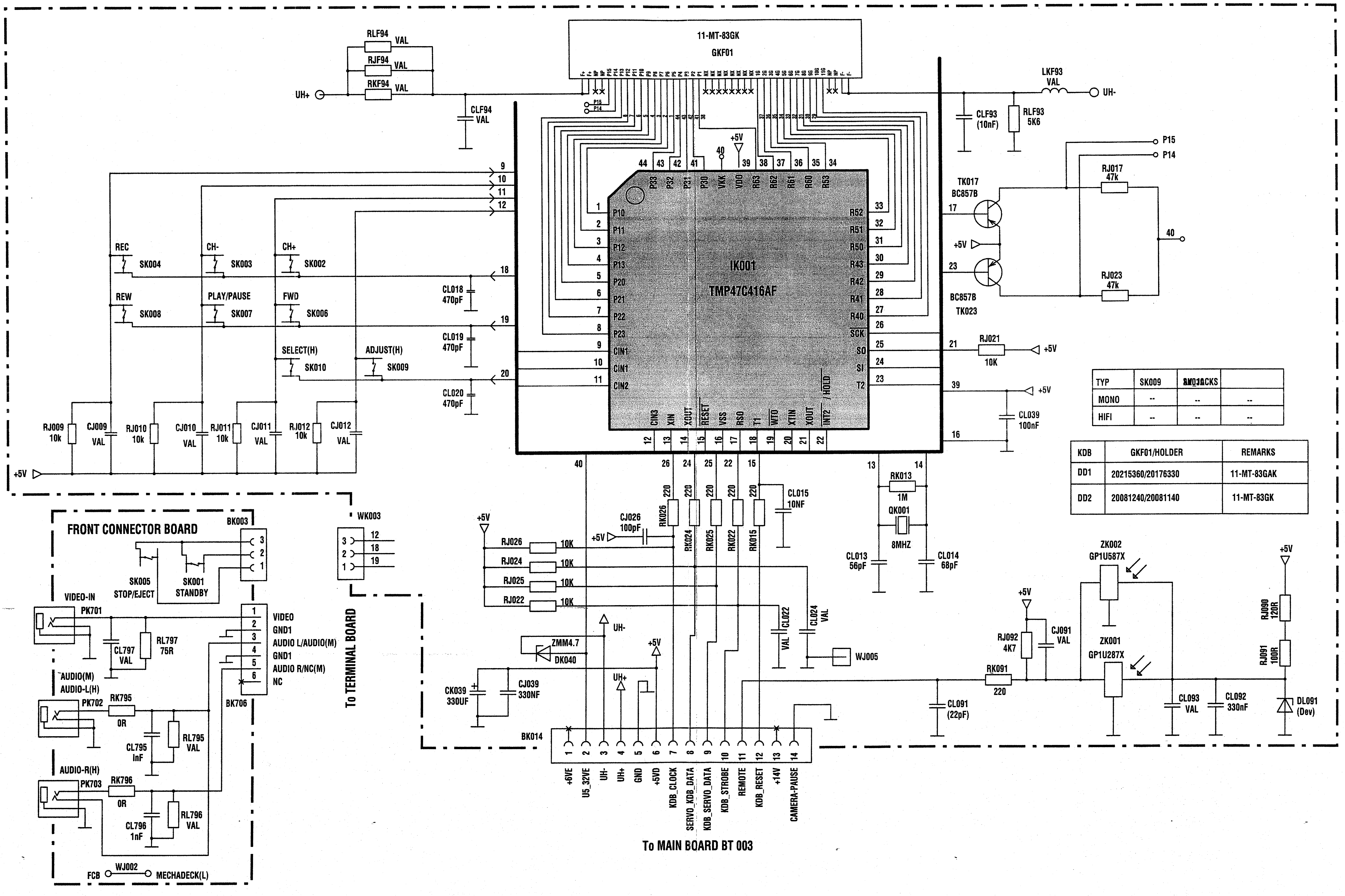
Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre


JK101
JK102
PK801 MIC
CL805
PK802 HEADPHONE
CK801
PK404 CAM-PAUSE
PCB FCB R5000 DU
20609750.SA
FDU06
WJ002
PK701
PK702
PK703
CL796
FDU07
RL796
RK796
FDU08

FDU02
JK023
JK019
JK018
BK014
RJ003
JK017
SK008 REWIND
SK006 FORWARD
SK004 RECORD
SK005 STOP/EJECT
SK007 PLAY/PAUSE
CL069
SK002 PROGRAM(+)
SK003 PROGRAM(-)
IK001
JK022
FDU04
FDU05
SK010 SELECT
SK009 ADJUST
PCB KDB R5000 DU
20609750.SA
RK021
RK013
FDU03
42 41 38 36 34 32 30 28 25 19 17 15 13 11 9 7 5 2 1
TK206
RJF94
RLF94
CLF94
DK280
RL280
JK003
JK002
SK001 STANDBY
RK003
FDU01

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

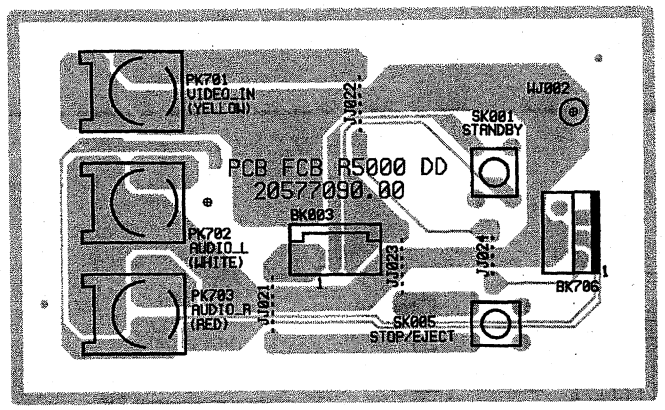
SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (T 8000)


11-MT-83GK
GKF01
RLF94 VAL
RJF94 VAL
RKF94 VAL
UH+
CLF94 VAL
LKF93 VAL
UH-
CLF93 (10nF)
RLF93 5K6
P15
P14
RJ017 47k
TK017 BC857B
+5V
RJ023 47k
BC857B TK023
40
RJ021 10K
CL039 100nF
IK001
TMP47C416AF
P10
P11
P12
P13
P20
P21
P22
P23
CIN1
CIN1
CIN2
R52
R51
R50
R43
R42
R41
R40
SCK
SO
SI
T2
P33
P32
P31
P30
VKK
VDD
R63
R62
R61
R60
R53
CIN3
XIN
XOUT
RESET
VSS
RS0
T1
WTO
XTIN
XOUT
INT2
/HOLD
REC
SK004
CH-
SK003
CH+
SK002
REW
SK008
PLAY/PAUSE
SK007
FWD
SK006
SELECT(H)
SK010
ADJUST(H)
SK009
CL018 470pF
CL019 470pF
CL020 470pF
RJ009 10k
CJ009 VAL
RJ010 10k
CJ010 VAL
RJ011 10k
CJ011 VAL
RJ012 10k
CJ012 VAL
+5V
RK013 1M
QK001 8MHZ
CL013 56pF
CL014 68pF
CL015 10NF
RK026 220
RK024 220
RK025 220
RK022 220
RK015 220
CJ026 100pF
RJ026 10K
RJ024 10K
RJ025 10K
RJ022 10K
ZMM4.7
DK040
CK039 330UF
CJ039 330NF
CL022 VAL
CL024 VAL
WJ005
ZK002 GP1U587X
ZK001 GP1U287X
RJ092 4K7
CJ091 VAL
RK091 220
CL091 (22pF)
CL093 VAL
CL092 330nF
RJ090 120R
RJ091 100R
DL091 (Dev)
FRONT CONNECTOR BOARD
BK003
SK005 STOP/EJECT
SK001 STANDBY
VIDEO-IN
PK701
CL797 VAL
RL797 75R
AUDIO(M)
AUDIO-L(H)
PK702
RK795 0R
CL795 1nF
RL795 VAL
AUDIO-R(H)
PK703
RK796 0R
CL796 1nF
RL796 VAL
BK706
VIDEO
GND1
AUDIO L/AUDIO(M)
GND1
AUDIO R/NC(M)
NC
FCB
WJ002
MECHADECK(L)
WK003
To TERMINAL BOARD
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
To MAIN BOARD BT 003

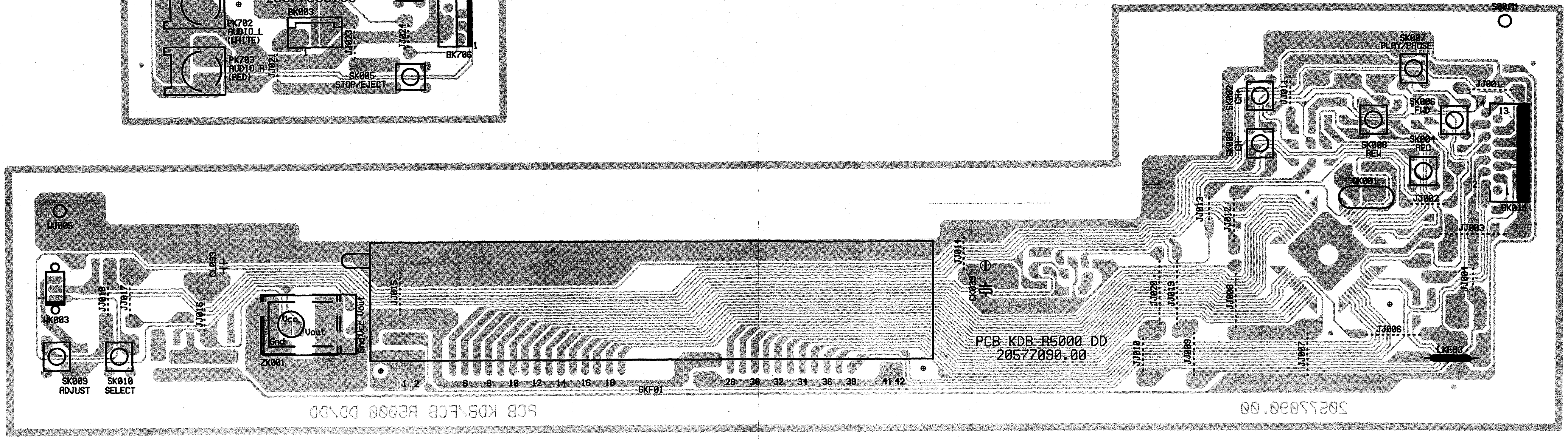
TYP	SK009	AV JACKS	
MONO	--	--	--
HIFI	--	--	--

KDB	GKF01/HOLDER	REMARKS
DD1	20215360/20176330	11-MT-83GAK
DD2	20081240/20081140	11-MT-83GK

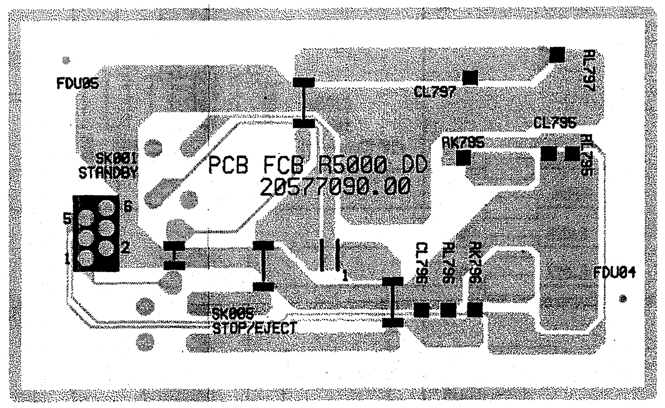
KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (T 8000)

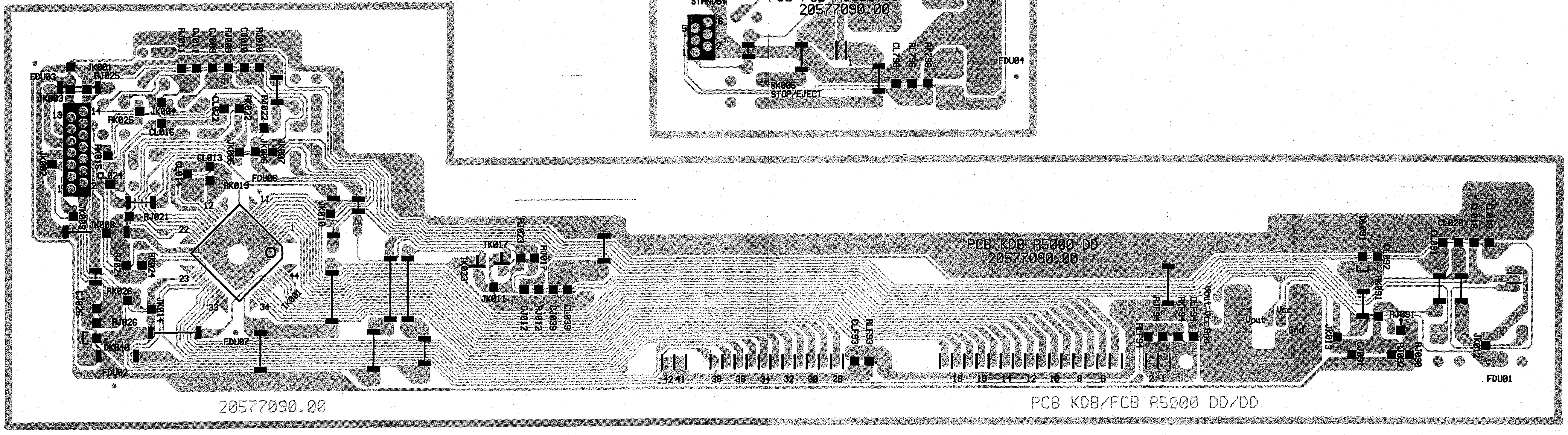

PK701 VIDEO_IN (YELLOW)
SK001 STANDBY
WJ002
PCB FCB R5000 DD
20577090.00
BK003
PK702 AUDIO_L (WHITE)
PK703 AUDIO_R (RED)
SK005 STOP/EJECT
BK706

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes


SK007 PLAY/PAUSE
SK002 CH+
SK003 CH-
SK006 FWD
SK008 REW
SK004 REC
JJ001
JJ002
JJ003
JJ006
BK014
WJ005
WK003
ZK001
Vcc
Vout
Gnd
SK009 ADJUST
SK010 SELECT
GKF01
PCB KDB R5000 DD
20577090.00

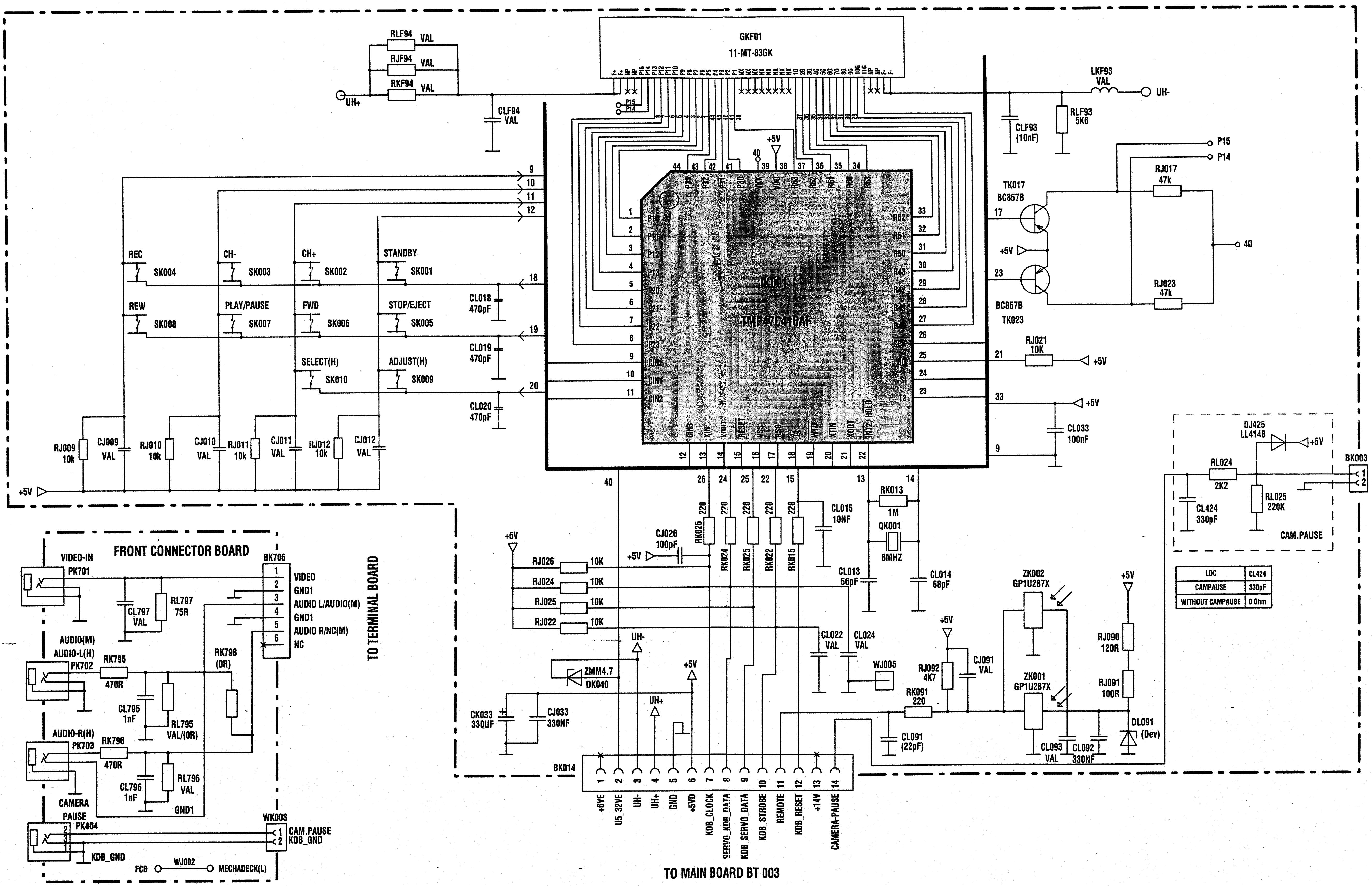
Solder side -Côté cuivre - Lötseite - Lato saldatura - Lado del cobre


FDU05
CL797
RL797
CL795
RK795
RL795
SK001 STANDBY
PCB FCB R5000 DD
20577090.00
CL796
RL796
RK796
FDU04
SK005 STOP/EJECT


FDU03
JK001
RJ025
JK003
RK025
CL016
FDU06
RK013
JK010
FDU07
FDU02
PCB KDB R5000 DD
20577090.00
Vout
Vcc
Gnd
FDU01
20577090.00
PCB KDB/FCB R5000 DD/DD

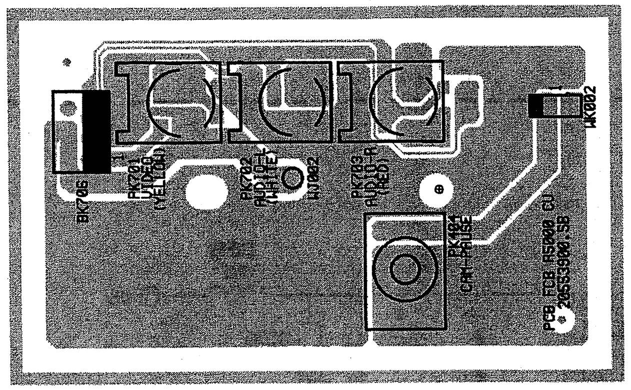
KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (M 9523)

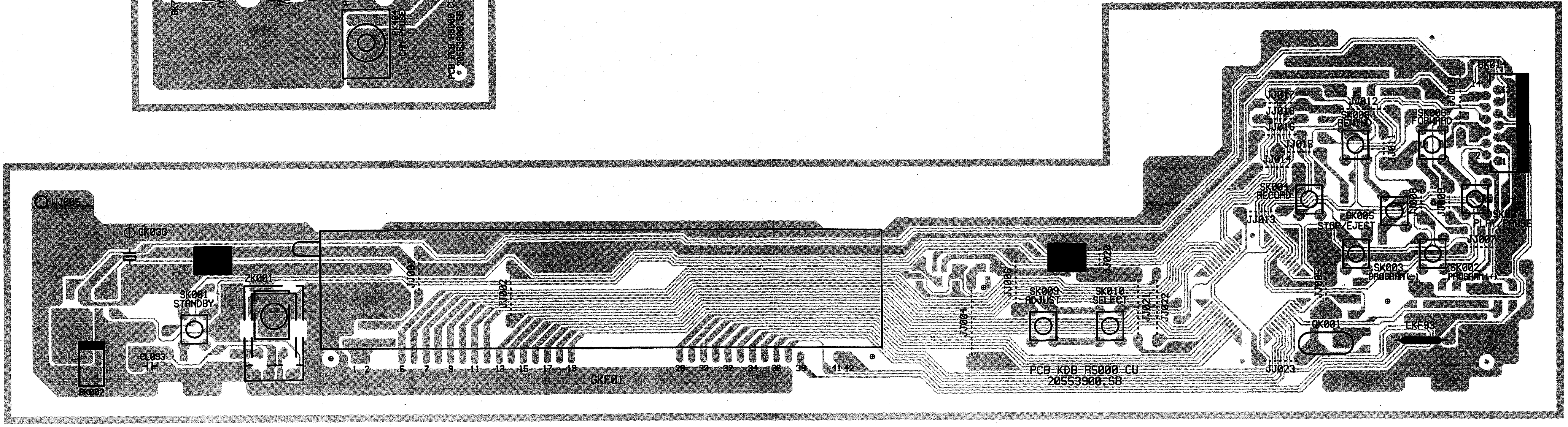

GKF01
11-MT-83GK
RLF94 VAL
RJF94 VAL
RKF94 VAL
UH+
CLF94 VAL
LKF93 VAL
UH-
CLF93 (10nF)
RLF93 5K6
P15
P14
+5V
IK001
TMP47C416AF
TK017 BC857B
TK023 BC857B
RJ017 47k
RJ023 47k
RJ021 10K
CL033 100nF
REC SK004
CH- SK003
CH+ SK002
STANDBY SK001
REW SK008
PLAY/PAUSE SK007
FWD SK006
STOP/EJECT SK005
SELECT(H) SK010
ADJUST(H) SK009
CL018 470pF
CL019 470pF
CL020 470pF
RJ009 10k
CJ009 VAL
RJ010 10k
CJ010 VAL
RJ011 10k
CJ011 VAL
RJ012 10k
CJ012 VAL
DJ425 LL4148
RL024 2K2
RL025 220K
CL424 330pF
CAM.PAUSE
BK003
CAM.PAUSE
KDB_GND
LOC | CL424
CAMPAUSE | 330pF
WITHOUT CAMPAUSE | 0 Ohm
RK026 220
RK024 220
RK025 220
RK022 220
RK015 220
CJ026 100pF
CL015 10NF
RK013 1M
QK001 8MHZ
CL013 56pF
CL014 68pF
RJ026 10K
RJ024 10K
RJ025 10K
RJ022 10K
ZMM4.7 DK040
CK033 330UF
CJ033 330NF
CL022 VAL
CL024 VAL
WJ005
RJ092 4K7
CJ091 VAL
RK091 220
CL091 (22pF)
ZK002 GP1U287X
ZK001 GP1U287X
RJ090 120R
RJ091 100R
DL091 (Dev)
CL093 VAL
CL092 330NF
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO MAIN BOARD BT 003
FRONT CONNECTOR BOARD
VIDEO-IN PK701
CL797 VAL
RL797 75R
BK706
VIDEO
GND1
AUDIO L/AUDIO(M)
GND1
AUDIO R/NC(M)
NC
TO TERMINAL BOARD
AUDIO(M)
AUDIO-L(H) PK702
RK795 470R
CL795 1nF
RL795 VAL/(0R)
RK798 (0R)
AUDIO-R(H) PK703
RK796 470R
CL796 1nF
RL796 VAL
GND1
CAMERA PAUSE PK404
WK003
CAM.PAUSE
KDB_GND
FCB
WJ002
MECHADECK(L)

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (M 9523)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

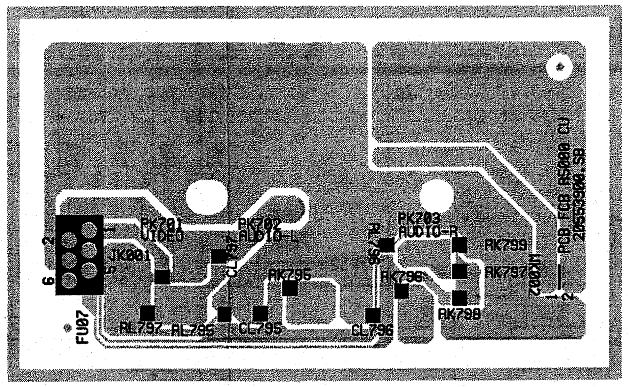


PK701 VIDEO (YELLOW)
PK702 AUDIO-L (WHITE)
PK703 AUDIO-R (RED)
PK704 CAMERA
WK002
PCB FCB R5000 CU 20553800.SB

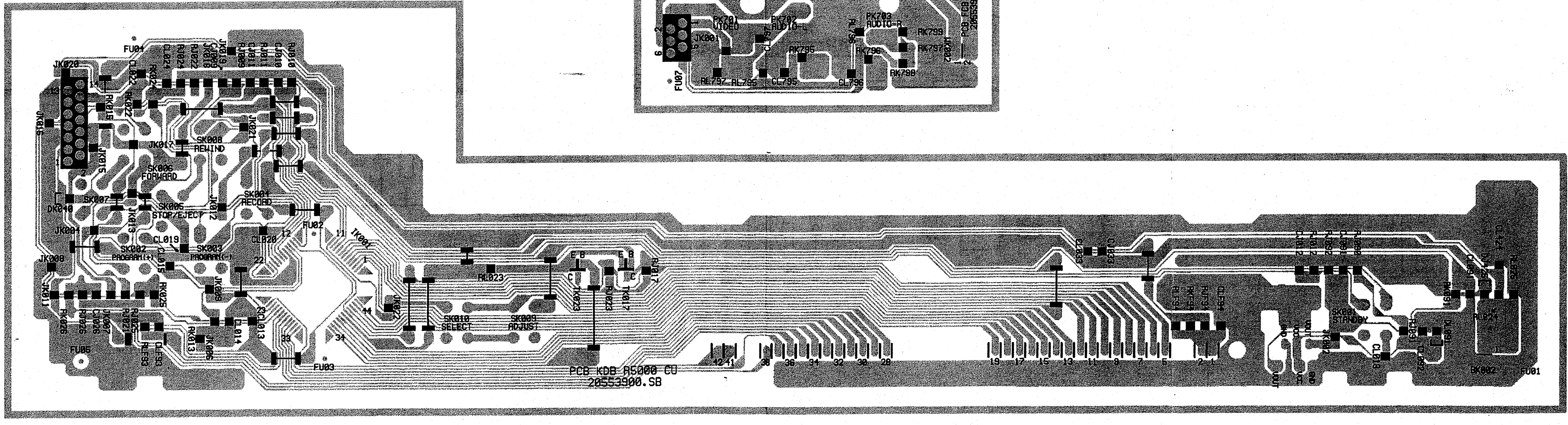


WJ005
CK033
ZK001
SK001 STANDBY
CL093
BK002
GKF01
1 2 5 7 9 11 13 15 17 19
28 30 32 34 36 38 41 42
JJ001
JJ002
JJ004
JJ006
JJ020
JJ021
JJ022
SK009 ADJUST
SK010 SELECT
PCB KDB R5000 CU 20553900.SB
JJ017
JJ010
JJ016
JJ012
JJ015
JJ014
JJ013
JJ023
SK008 REWIND
SK006 FORWARD
SK004 RECORD
SK005 STOP/EJECT
SK007 PLAY PAUSE
SK003 PROGRAM(-)
SK002 PROGRAM(+)
QK001
LKF93
BK014

Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre



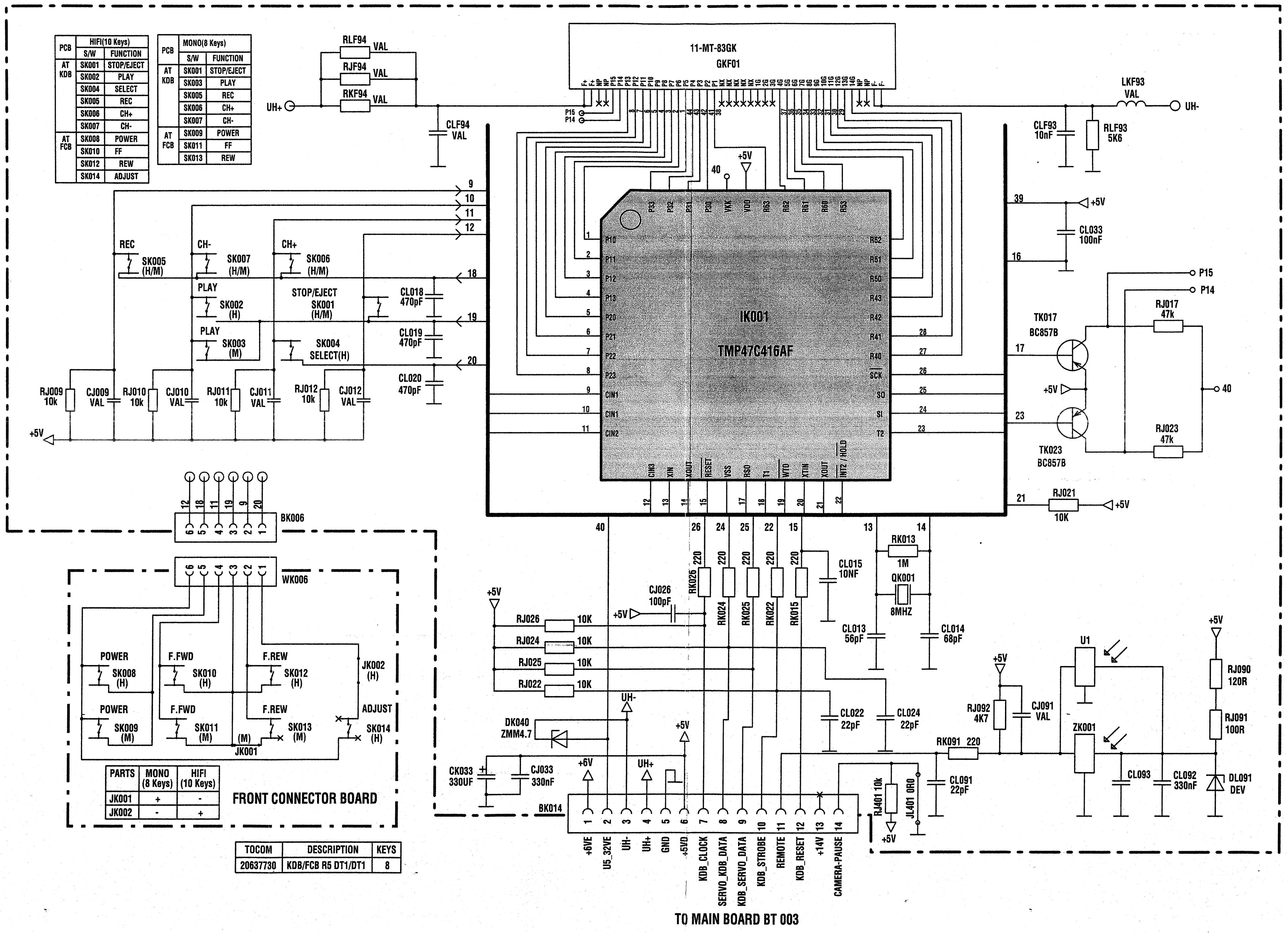
PK701 VIDEO
PK702 AUDIO-L
PK703 AUDIO-R
JK001
RK795
RK796
RK797
RK798
RK799
RL795
RL797
CL795
CL796
FU07
PCB FCB R5000 CU 20553800.SB



JK020
FU04
JK015
SK008 REWIND
SK006 FORWARD
SK007
SK005 STOP/EJECT
SK004 RECORD
SK002 PROGRAM(+)
SK003 PROGRAM(-)
CL019
DK040
JK004
JK008
FU05
FU02
FU03
IK001
RL023
SK010 SELECT
SK009 ADJUST
PCB KDB R5000 CU 20553900.SB
42 41 38 36 34 32 30 28
19 17 15 13 11 9 7 5 2 1
SK001 STANDBY
BK002
FU01

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VR 7027)


11-MT-83GK
GKF01
RLF94 VAL
RJF94 VAL
RKF94 VAL
UH+
CLF94 VAL
LKF93 VAL
UH-
CLF93 10nF
RLF93 5K6
P15
P14
+5V
40
IK001
TMP47C416AF
P10
P11
P12
P13
P20
P21
P22
P23
CIN1
CIN1
CIN2
P33
P32
P31
P30
VKK
VDD
R63
R62
R61
R60
R53
R52
R51
R50
R43
R42
R41
R40
SCK
SO
SI
T2
CIN3
XIN
XOUT
RESET
VSS
RS0
T1
WTO
XTIN
XOUT
INT2 / HOLD
CL033 100nF
TK017 BC857B
TK023 BC857B
RJ017 47k
RJ023 47k
RJ021 10K
REC
SK005 (H/M)
CH-
SK007 (H/M)
CH+
SK006 (H/M)
PLAY
SK002 (H)
PLAY
SK003 (M)
STOP/EJECT
SK001 (H/M)
SK004 SELECT(H)
CL018 470pF
CL019 470pF
CL020 470pF
RJ009 10k
CJ009 VAL
RJ010 10k
CJ010 VAL
RJ011 10k
CJ011 VAL
RJ012 10k
CJ012 VAL
BK006
WK006
POWER
SK008 (H)
F.FWD
SK010 (H)
F.REW
SK012 (H)
JK002 (H)
POWER
SK009 (M)
F.FWD
SK011 (M)
F.REW
SK013 (M)
ADJUST
SK014 (H)
(M)
JK001
FRONT CONNECTOR BOARD
RJ026 10K
RJ024 10K
RJ025 10K
RJ022 10K
CJ026 100pF
RK026 220
RK024 220
RK025 220
RK022 220
RK015 220
CL015 10NF
RK013 1M
QK001 8MHZ
CL013 56pF
CL014 68pF
CL022 22pF
CL024 22pF
DK040 ZMM4.7
CK033 330UF
CJ033 330nF
+6V
UH-
UH+
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
TO MAIN BOARD BT 003
RJ401 10k
JL401 0R0
CL091 22pF
RK091 220
RJ092 4K7
CJ091 VAL
U1
ZK001
CL093
CL092 330nF
RJ090 120R
RJ091 100R
DL091 DEV

PCB	HIFI(10 Keys)	
	S/W	FUNCTION
AT KDB	SK001	STOP/EJECT
	SK002	PLAY
	SK004	SELECT
	SK005	REC
	SK006	CH+
	SK007	CH-
AT FCB	SK008	POWER
	SK010	FF
	SK012	REW
	SK014	ADJUST

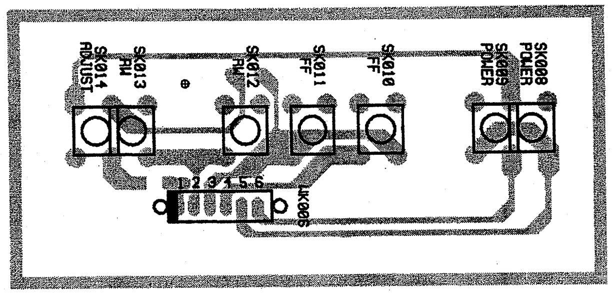
PCB	MONO(8 Keys)	
	S/W	FUNCTION
AT KDB	SK001	STOP/EJECT
	SK003	PLAY
	SK005	REC
	SK006	CH+
	SK007	CH-
AT FCB	SK009	POWER
	SK011	FF
	SK013	REW

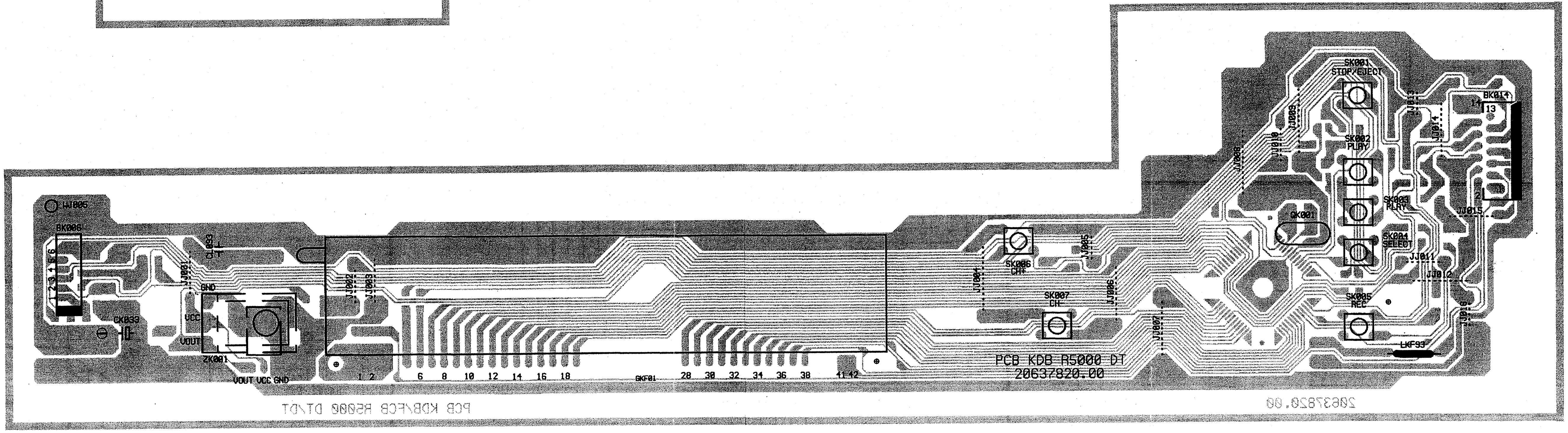
PARTS	MONO (8 Keys)	HIFI (10 Keys)
JK001	+	-
JK002	-	+

TOCOM	DESCRIPTION	KEYS
20637730	KDB/FCB R5 DT1/DT1	8

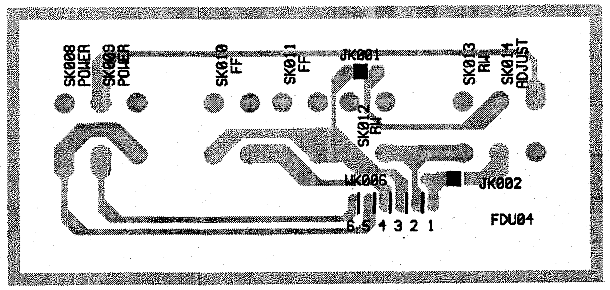
KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (VR 7027)

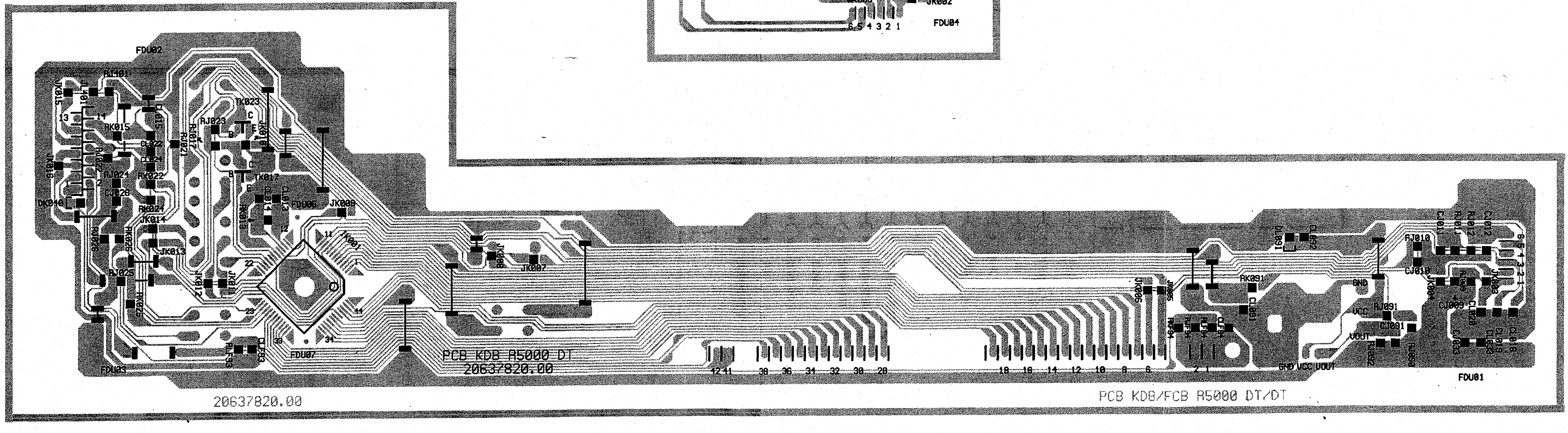
Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes


SK014 ADJUST
SK013 RW
SK012 RW
SK011 FF
SK010 FF
SK009 POWER
SK008 POWER
1 2 3 4 5 6
WK006


WT005
BK006
CK033
GND
VCC
VOUT
ZK001
VOUT VCC GND
SK006 CH+
SK007 CH-
SK001 STOP/EJECT
SK002 PLAY
SK003 PLAY
SK004 SELECT
SK005 REC
QK001
BK014
LKF93
PCB KDB R5000 DT
20637820.00
PCB KDB/FCB R5000 DT/DT
1 2 6 8 10 12 14 16 18 28 30 32 34 36 38 41 42

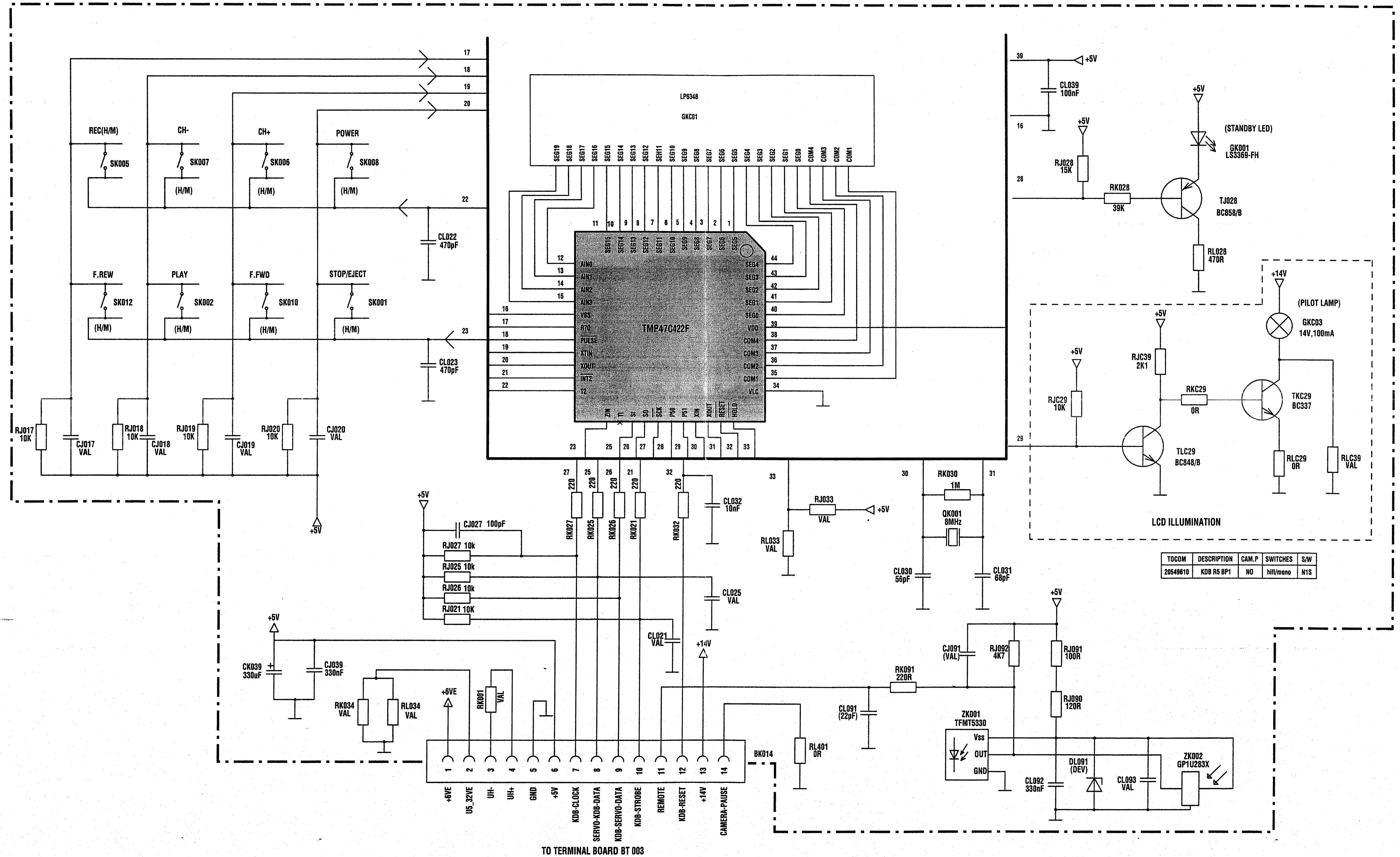
Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre


SK008 POWER
SK009 POWER
SK010 FF
SK011 FF
JK001
SK012 RW
SK013 RW
SK014 ADJUST
WK006
JK002
6 5 4 3 2 1
FDU04


FDU02
FDU03
FDU06
FDU07
FDU01
TK023
TK017
JK014
JK013
JK012
JK008
JK007
JK001
RK015
RK022
RK024
RK091
RJ010
RJ091
GND
VCC
VOUT
GND VCC VOUT
PCB KDB R5000 DT
20637820.00
PCB KDB/FCB R5000 DT/DT
42 41 38 36 34 32 30 28 18 16 14 12 10 8 6 2 1

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

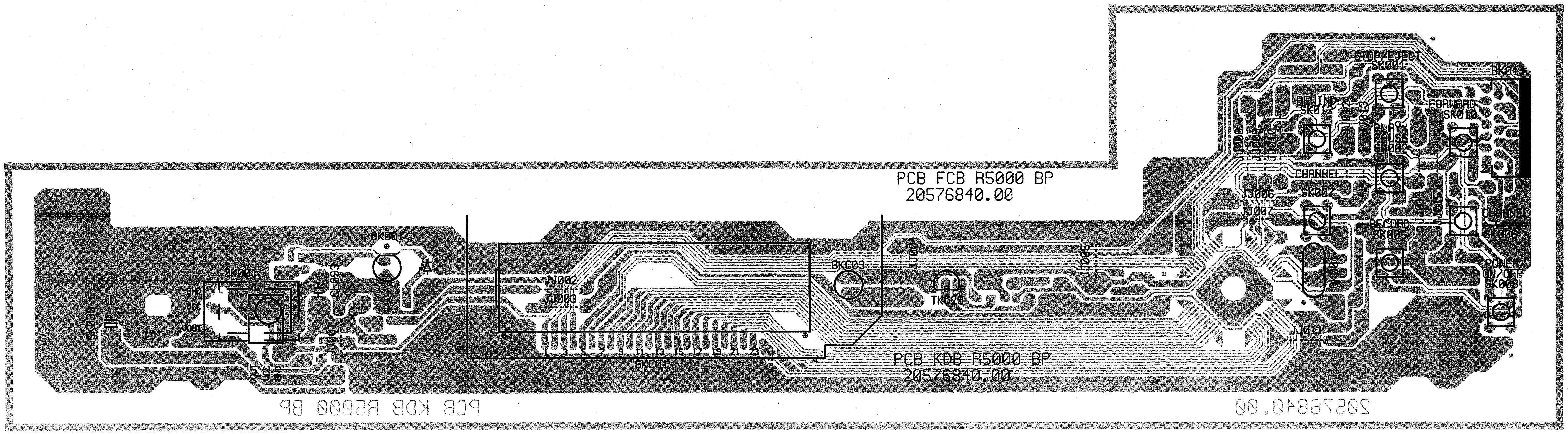
SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (V R 7021 / VR 7041)


REC(H/M)
SK005
CH-
SK007
CH+
SK006
POWER
SK008
(H/M)
F.REW
SK012
PLAY
SK002
F.FWD
SK010
STOP/EJECT
SK001
RJ017 10K
CJ017 VAL
RJ018 10K
CJ018 VAL
RJ019 10K
CJ019 VAL
RJ020 10K
CJ020 VAL
CL022 470pF
CL023 470pF
LP6348
GKC01
TMP470422F
AIN0
AIN1
AIN2
AIN3
VSS
R70
PULSE
XTIN
XOUT
INT2
T2
SEG4
SEG3
SEG2
SEG1
SEG0
VDD
COM4
COM3
COM2
COM1
VLC
+5V
CL039 100nF
RJ028 15K
RK028 39K
TJ028 BC858/B
RL028 470R
(STANDBY LED)
GK001 LS3369-FH
+14V
(PILOT LAMP)
GKC03 14V,100mA
RJC39 2K1
RKC29 0R
RJC29 10K
TKC29 BC337
TLC29 BC848/B
RLC29 0R
RLC39 VAL
LCD ILLUMINATION
RK027 220
RK025 220
RK026 220
RK021 220
RK032 220
CL032 10nF
CJ027 100pF
RJ027 10k
RJ025 10k
RJ026 10k
RJ021 10K
CL025 VAL
CL021 VAL
RJ033 VAL
RL033 VAL
RK030 1M
QK001 8MHz
CL030 56pF
CL031 68pF
CK039 330uF
CJ039 330nF
RK034 VAL
RL034 VAL
+6VE
RK001 VAL
BK014
RL401 0R
CL091 (22pF)
RK091 220R
CJ091 (VAL)
RJ092 4K7
RJ091 100R
RJ090 120R
ZK001 TFMT5330
Vss
OUT
GND
CL092 330nF
DL091 (DEV)
CL093 VAL
ZK002 GP1U283X
+6VE
U5_32VE
UH-
UH+
GND
+5V
KDB-CLOCK
SERVO-KDB-DATA
KDB-SERVO-DATA
KDB-STROBE
REMOTE
KDB-RESET
+14V
CAMERA-PAUSE
TO TERMINAL BOARD BT 003

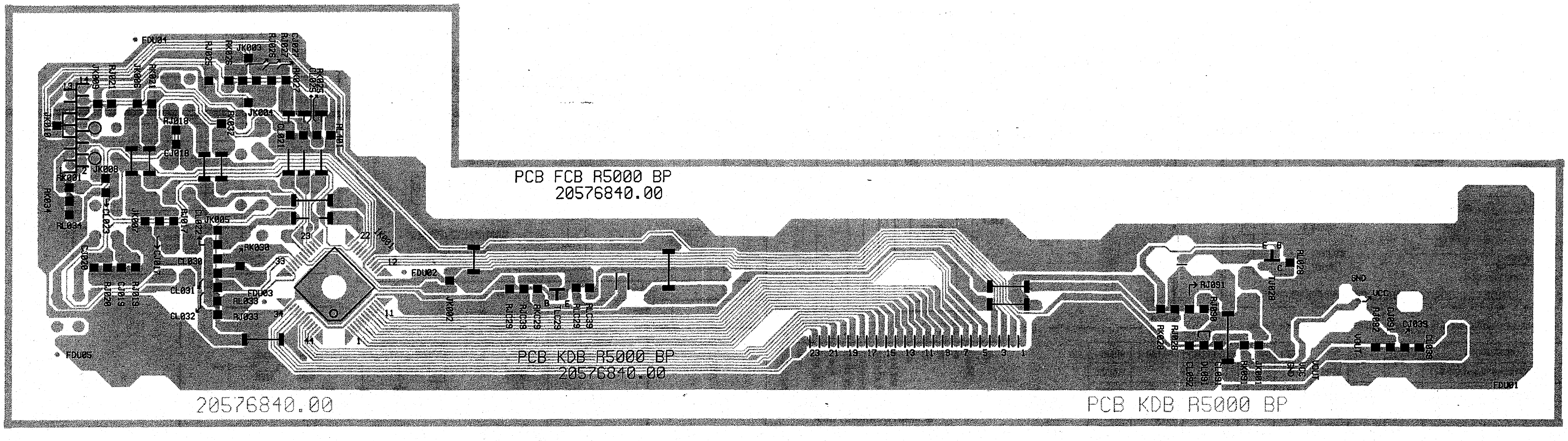
TOCOM	DESCRIPTION	CAM.P	SWITCHES	S/W
20549610	KDB R5 BP1	NO	hifi/mono	N1S

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (VR 7021 / VR 7041)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

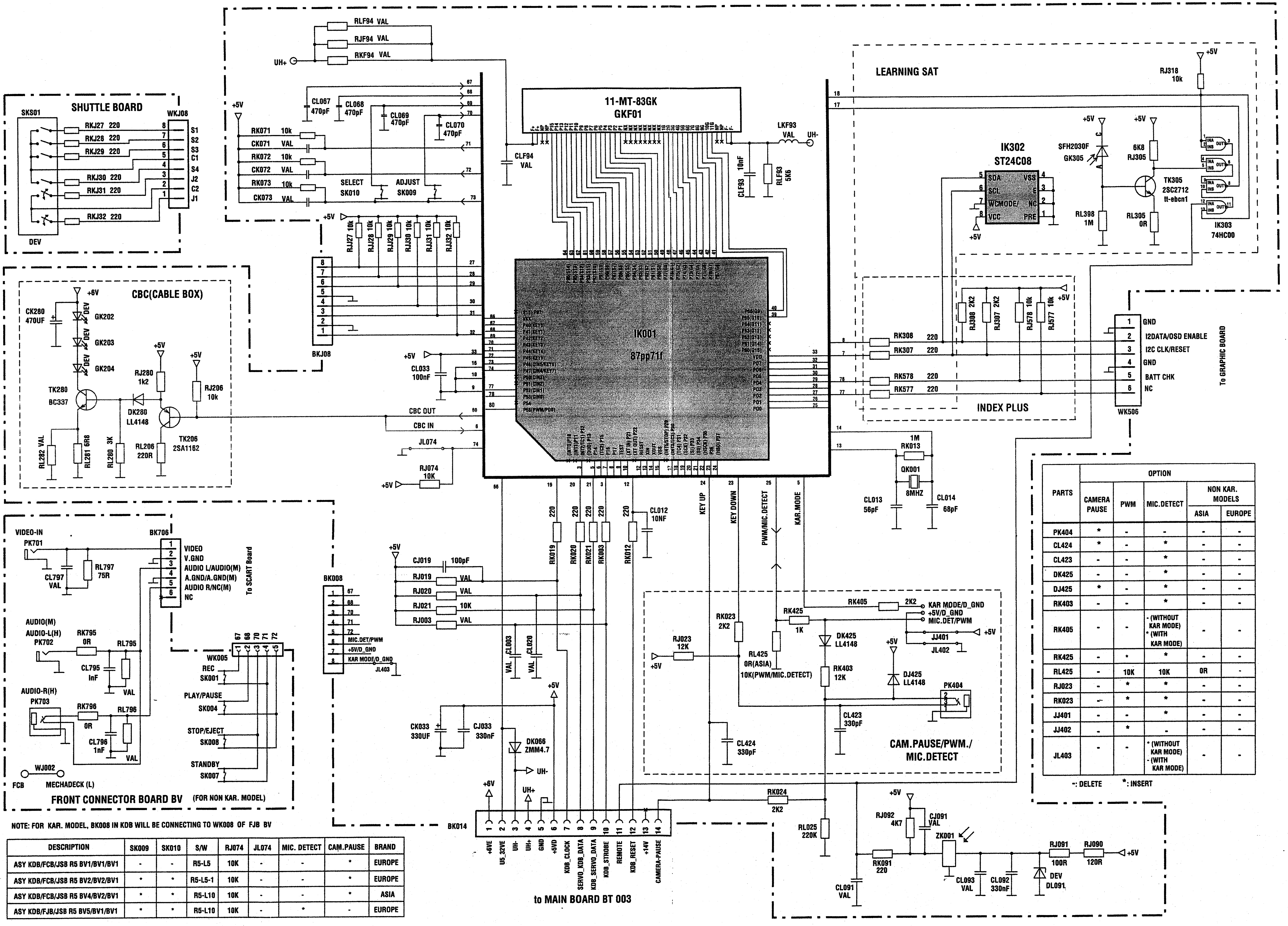

STOP/EJECT
SK001
REWIND
SK012
FORWARD
SK010
PLAY
PAUSE
SK002
CHANNEL
SK007
RECORD
SK005
CHANNEL
SK006
POWER
ON/OFF
SK009
BK01
JJ006
JJ007
JJ011
JJ004
JJ005
TKC29
GKC03
GKC01
JJ002
JJ003
JJ001
GK001
2K001
GND
VCC
VOUT
CK039
CL003
PCB FCB R5000 BP
20576840.00
PCB KDB R5000 BP
20576840.00

Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre


FDU04
FDU05
FDU02
FDU03
FDU01
JK003
JK004
JK005
JK008
RJ018
RK001
RK030
CL030
CL031
CL032
RL033
RL034
GND
VCC
VOUT
CJ039
PCB FCB R5000 BP
20576840.00
PCB KDB R5000 BP
20576840.00
20576840.00
PCB KDB R5000 BP

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (V 1455 SENSAR)


SHUTTLE BOARD
SKS01
WKJ08
RKJ27 220
RKJ28 220
RKJ29 220
RKJ30 220
RKJ31 220
RKJ32 220
S1
S2
S3
C1
S4
J2
C2
J1
DEV
CBC(CABLE BOX)
+6V
CK280 470UF
GK202
GK203
GK204
TK280 BC337
RJ280 1k2
RJ206 10k
DK280 LL4148
TK206 2SA1162
RL282 VAL
RL281 6R8
RL280 3K
RL206 220R
RLF94 VAL
RJF94 VAL
RKF94 VAL
UH+
CL067 470pF
CL068 470pF
CL069 470pF
CL070 470pF
RK071 10k
CK071 VAL
RK072 10k
CK072 VAL
RK073 10k
CK073 VAL
SELECT SK010
ADJUST SK009
RJ27 10k
RJ28 10k
RJ29 10k
RJ30 10k
RJ31 10k
RJ32 10k
BKJ08
CL033 100nF
CBC OUT
CBC IN
JL074
RJ074 10K
11-MT-83GK
GKF01
CLF94 VAL
LKF93 VAL
CLF93 10nF
RLF93 5K6
IK001
87pp71f
LEARNING SAT
IK302
ST24C08
SDA
SCL
WCMODE/
VCC
VSS
E
NC
PRE
SFH2030F
GK305
6K8
RJ305
TK305
2SC2712
tt-ebcn1
RL398 1M
RL305 0R
RJ318 10k
IK303
74HC00
RJ308 2K2
RJ307 2K2
RJ578 10k
RJ577 10k
RK308 220
RK307 220
RK578 220
RK577 220
INDEX PLUS
WK506
GND
I2DATA/OSD ENABLE
I2C CLK/RESET
GND
BATT CHK
NC
To GRAPHIC BOARD
1M
RK013
QK001
8MHZ
CL013 56pF
CL014 68pF
KEY UP
KEY DOWN
PWM/MIC.DETECT
KAR.MODE
RK019 220
RK020 220
RK021 220
RK003 220
RK012 220
CL012 10NF
VIDEO-IN
PK701
BK706
VIDEO
V.GND
AUDIO L/AUDIO(M)
A.GND/A.GND(M)
AUDIO R/NC(M)
NC
To SCART Board
CL797 VAL
RL797 75R
AUDIO(M)
AUDIO-L(H)
PK702
RK795 0R
RL795
CL795 InF
AUDIO-R(H)
PK703
RK796 0R
RL796
CL796 1nF
WJ002
FCB
MECHADECK (L)
FRONT CONNECTOR BOARD BV (FOR NON KAR. MODEL)
WK005
REC SK001
PLAY/PAUSE SK004
STOP/EJECT SK008
STANDBY SK007
BK008
MIC.DET/PWM
+5V/D_GND
KAR MODE/D_GND
JL403
CJ019 100pF
RJ019 VAL
RJ020 VAL
RJ021 10K
RJ003 VAL
CL003 VAL
CL020 VAL
CK033 330UF
CJ033 330nF
DK066 ZMM4.7
UH-
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REMOTE
KDB_RESET
+14V
CAMERA-PAUSE
to MAIN BOARD BT 003
RK023 2K2
RJ023 12K
RL425 0R(ASIA) 10K(PWM/MIC.DETECT)
RK425 1K
RK405 2K2
KAR MODE/D_GND
+5V/D_GND
MIC.DET/PWM
JJ401
JJ402
DK425 LL4148
RK403 12K
DJ425 LL4148
PK404
CL423 330pF
CL424 330pF
CAM.PAUSE/PWM./ MIC.DETECT
RK024 2K2
RL025 220K
RJ092 4K7
CJ091 VAL
ZK001
RK091 220
CL091 VAL
CL093 VAL
CL092 330nF
DEV DL091
RJ091 100R
RJ090 120R
+5V

PARTS	OPTION				
	CAMERA PAUSE	PWM	MIC.DETECT	NON KAR. MODELS	
				ASIA	EUROPE
PK404	*	-	-	-	-
CL424	*	-	*	-	-
CL423	-	-	*	-	-
DK425	-	-	*	-	-
DJ425	*	-	*	-	-
RK403	-	-	*	-	-
RK405	-	-	- (WITHOUT KAR MODE) * (WITH KAR MODE)	-	-
RK425	-	*	*	-	-
RL425	-	10K	10K	0R	-
RJ023	-	*	*	-	-
RK023	-	*	*	-	-
JJ401	-	-	*	-	-
JJ402	-	*	-	-	-
JL403	-	-	* (WITHOUT KAR MODE) - (WITH KAR MODE)	-	-

-: DELETE *: INSERT

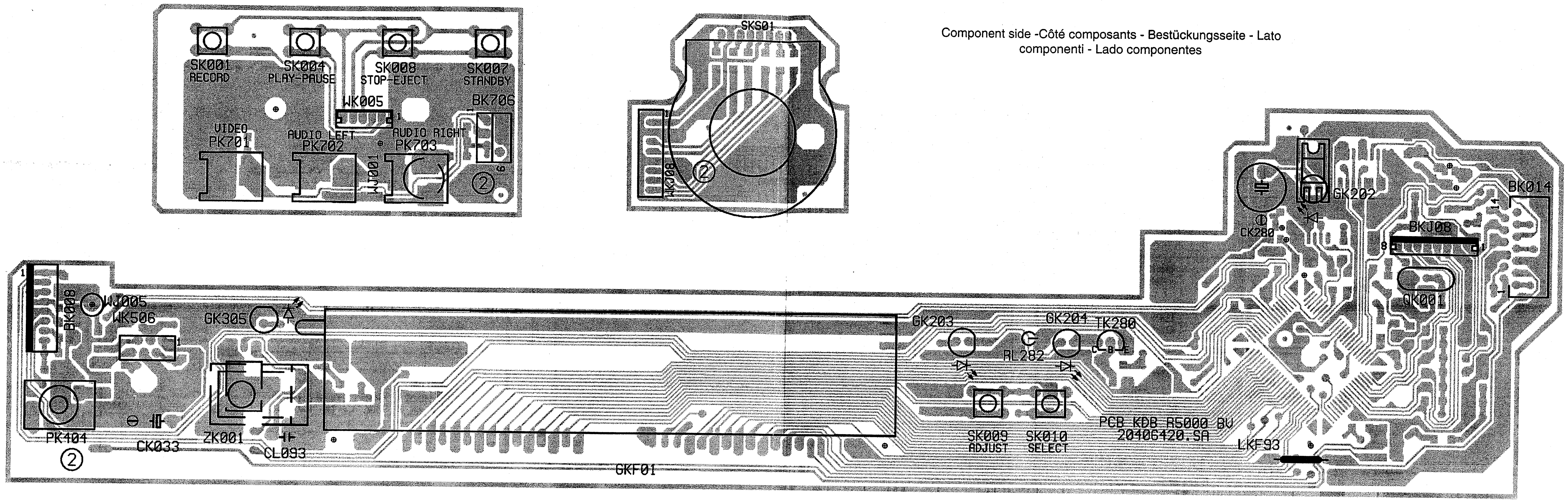
NOTE: FOR KAR. MODEL, BK008 IN KDB WILL BE CONNECTING TO WK008 OF FJB BV

DESCRIPTION	SK009	SK010	S/W	RJ074	JL074	MIC. DETECT	CAM.PAUSE	BRAND
ASY KDB/FCB/JSB R5 BV1/BV1/BV1	-	-	R5-L5	10K	-	-	*	EUROPE
ASY KDB/FCB/JSB R5 BV2/BV2/BV1	*	*	R5-L5-1	10K	-	-	*	EUROPE
ASY KDB/FCB/JSB R5 BV4/BV2/BV1	*	*	R5-L10	10K	-	-	*	ASIA
ASY KDB/FJB/JSB R5 BV5/BV1/BV1	*	*	R5-L10	10K	-	*	-	EUROPE

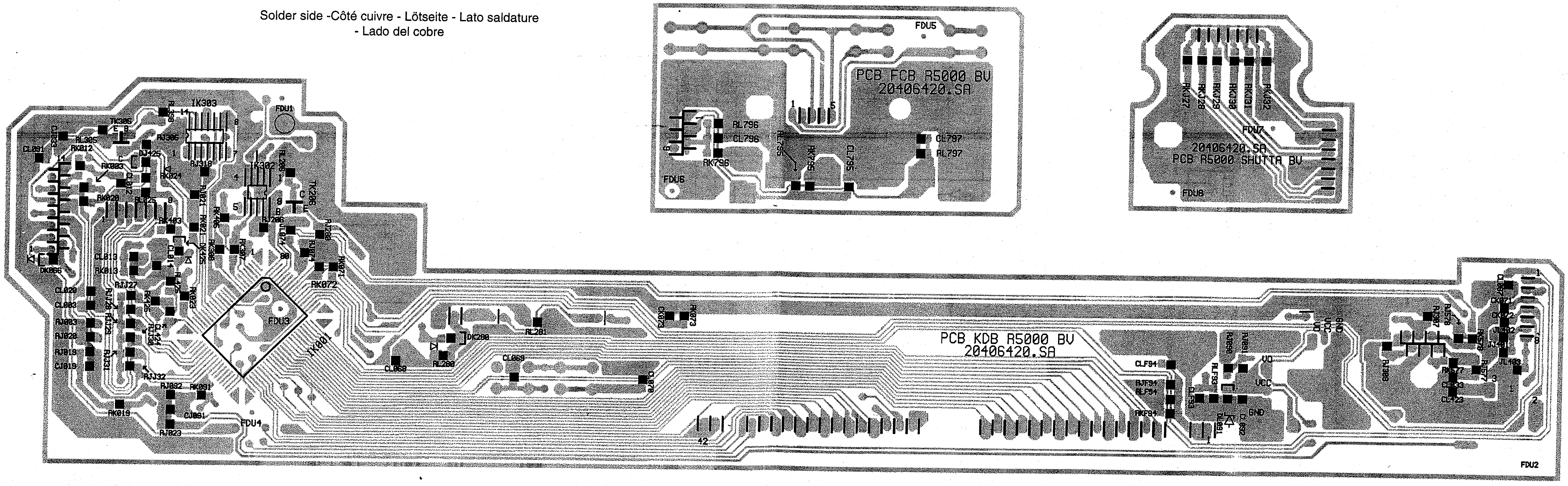
Updated 01 / 97

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR (V 1455 SENSAR)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes

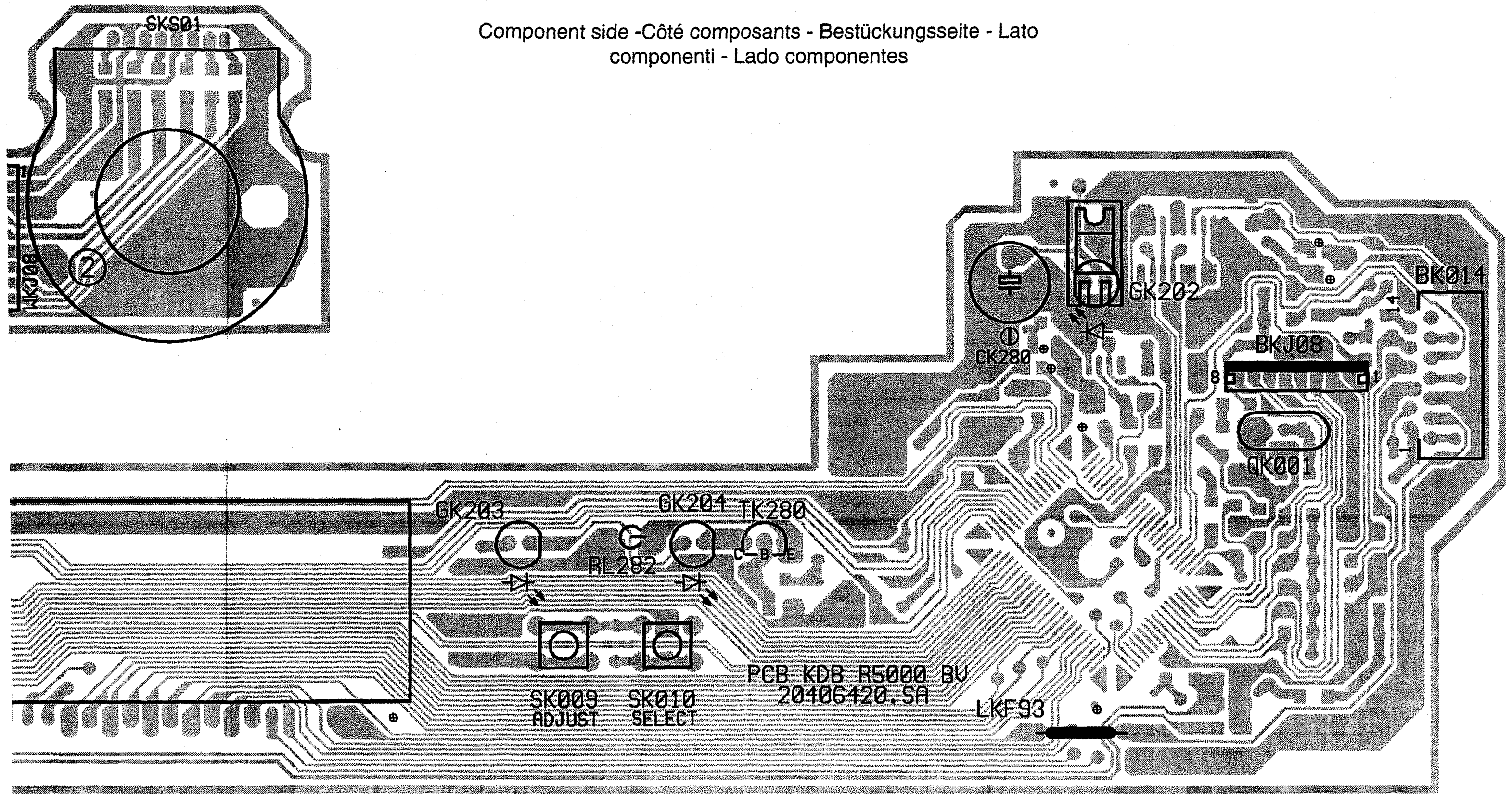

SK001
RECORD
SK004
PLAY-PAUSE
SK008
STOP-EJECT
SK007
STANDBY
WK005
BK706
VIDEO
PK701
AUDIO LEFT
PK702
AUDIO RIGHT
PK703
WJ001
②
SKS01
WKJ08
②
BK008
WJ005
WK506
GK305
PK404
②
CK033
ZK001
CL093
GKF01
GK203
GK204
TK280
RL282
SK009
ADJUST
SK010
SELECT
PCB KDB R5000 BV
20406420.SA
LKF93
CK280
GK202
BK014
BKJ08
QK001

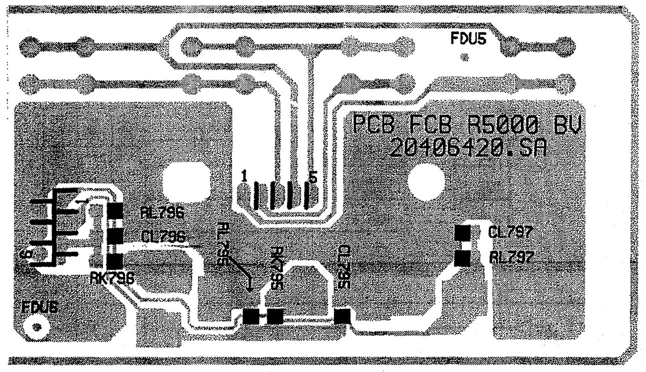
Solder side -Côté cuivre - Lötseite - Lato saldature - Lado del cobre

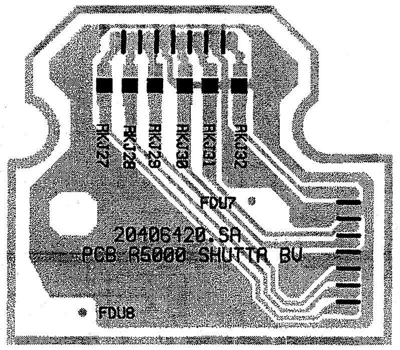

IK303
FDU1
IK302
TK305
TK206
FDU3
IX001
FDU4
DK288
RL281
RL288
CL069
CL068
CLF94
PCB KDB R5000 BV
20406420.SA
VD
VCC
GND
42
FDU2
FDU5
PCB FCB R5000 BV
20406420.SA
RL796
CL796
RK796
RK795
CL795
CL797
RL797
FDU6
RK727
RK728
RK729
RK730
RK731
RK732
FDU7
20406420.SA
PCB R5000 SHUTTA BV
FDU8

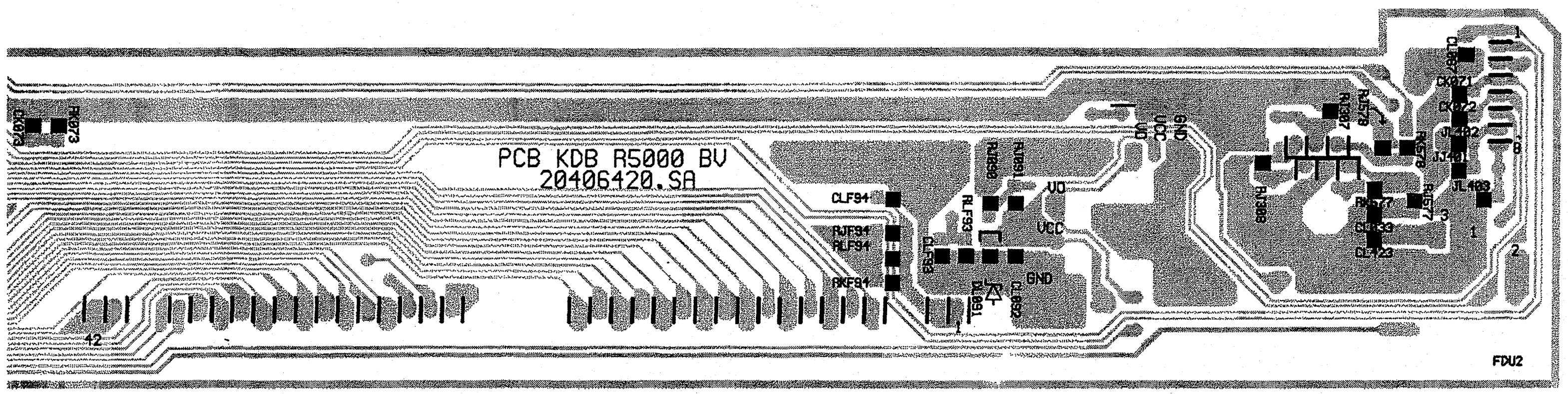
- BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes


SKS01
AK009
GK202
CK280
BK014
BKJ08
8
1
QK001
GK203
GK204
TK280
RL282
SK009
ADJUST
SK010
SELECT
PCB KDB R5000 BV
20406420.SA
LKF93

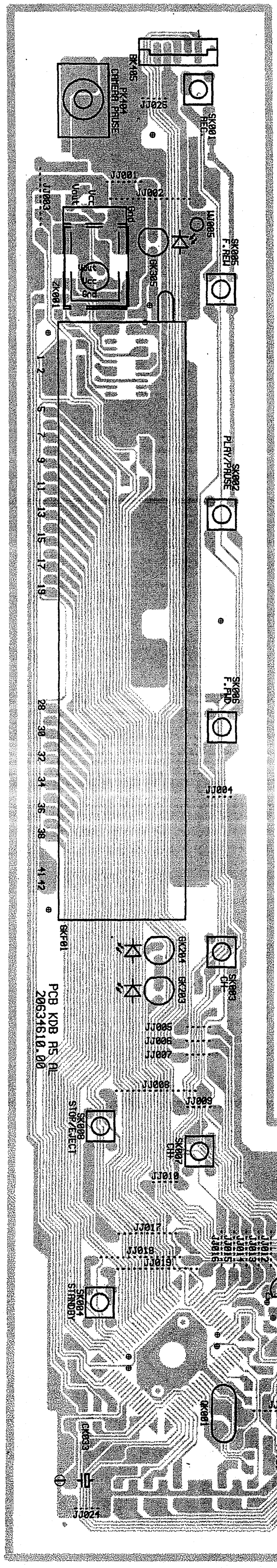

FDU5
PCB FCB R5000 BV
20406420.SA
1
5
RL796
CL796
RK798
RL798
RK795
CL795
CL797
RL797
FDU6


RK727
RK728
RK729
RK730
RK731
RK732
FDU7
20406420.SA
PCB R5000 SHUTTA BV
FDU8


PCB KDB R5000 BV
20406420.SA
CLF94
RJF94
RLF94
RKF94
VO
VCC
GND
42
1
2
3
FDU2

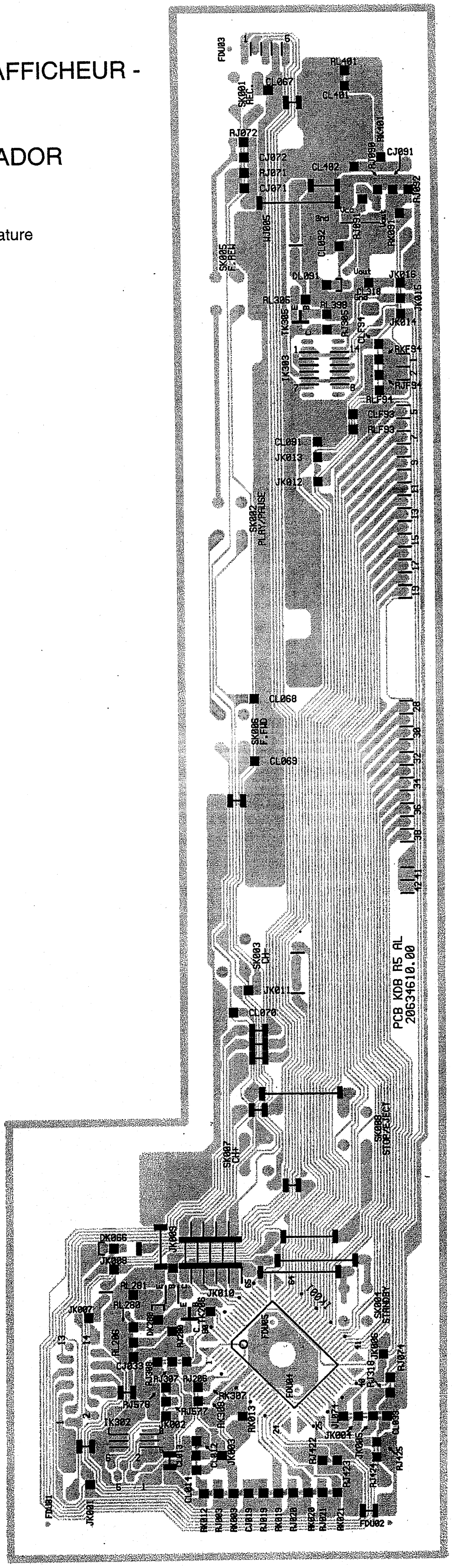
KEYBOARD WITH DISPLAY -
PLATINE DE COMMANDES AVEC AFFICHEUR -
BEDIENTEIL MIT DISPLAY -
TASTIERA CON DISPLAY -
PLATINA MANDOS CON VISUALIZADOR
(V 1250 SVM / V 1450 SVM)

Component side -Côté composants - Bestückungsseite - Lato componenti - Lado componentes


SK001
SK005
F.REW
SK002
PLAY/PAUSE
SK006
F.FWD
JJ004
SK003
CH+
SK008
STOP/EJECT
SK007
CH-
SK004
STANDBY
GK204
GK203
BKF01
PCB KDB R5 A
20634610.00
LKF93
GK202
BK014
QK001
CK280
JJ024

KEYBOARD WITH DISPLAY -
PLATINE DE COMMANDES AVEC AFFICHEUR -
BEDIENTEIL MIT DISPLAY -
TASTIERA CON DISPLAY -
PLATINA MANDOS CON VISUALIZADOR
(V 1250 SVM / V 1450 SVM)

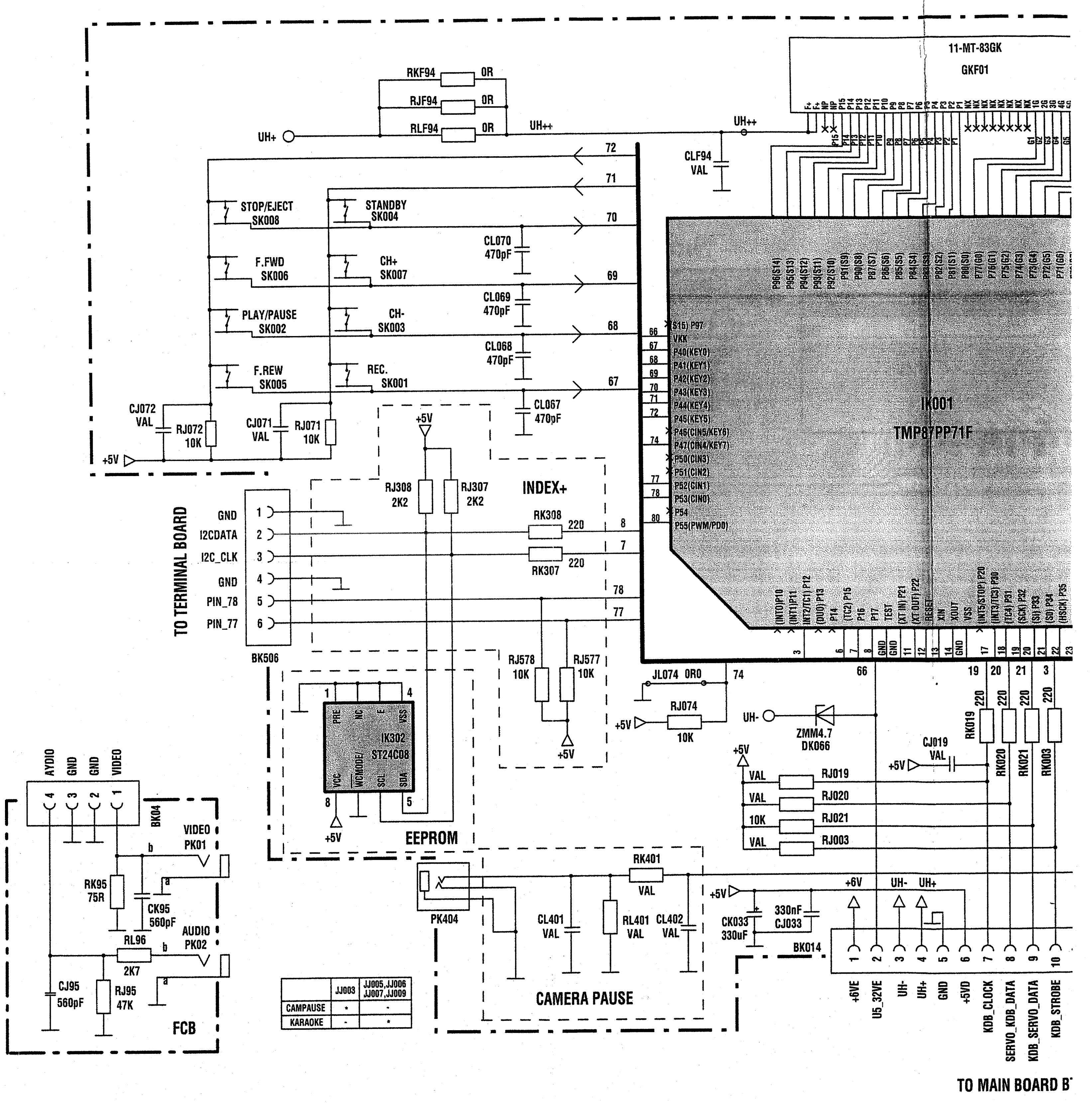
Solder side -Côté cuivre - Lötseite - Lato saldature
- Lado del cobre



PCB KDB R5 AL
20634610.00
SK001 REC.
SK002 PLAY/PAUSE
SK003 CH-
SK005 F.REW
SK006 F.FWD
SK007 CH+
SK008 STOP/EJECT
SK004 STANDBY
IK001
IK302
FD001
FD002
FD003

KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL
TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (V 1250 SSVM / V 1

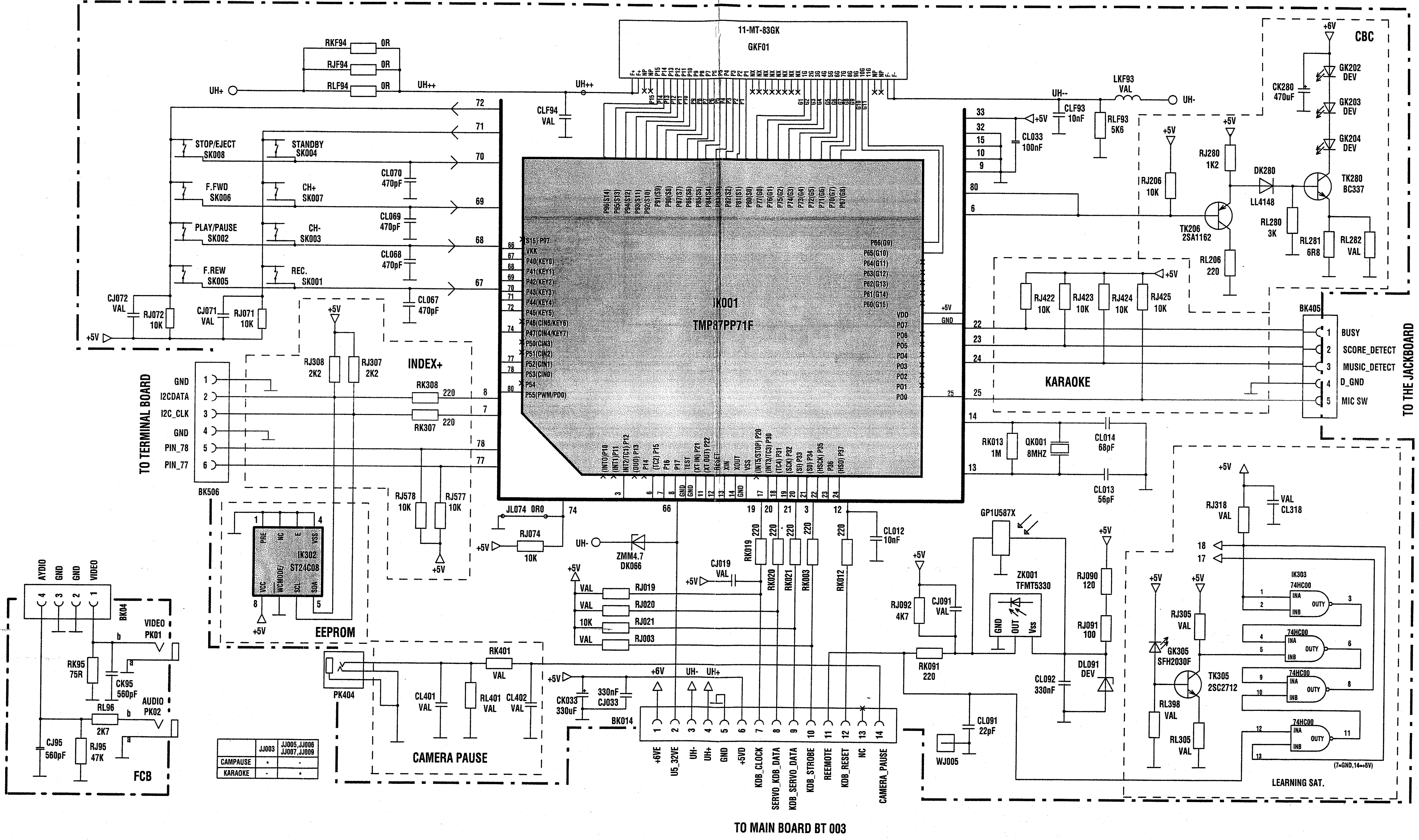


11-MT-83GK
GKF01
RKF94 0R
RJF94 0R
RLF94 0R
UH+
UH++
CLF94 VAL
STOP/EJECT SK008
STANDBY SK004
F.FWD SK006
CH+ SK007
PLAY/PAUSE SK002
CH- SK003
F.REW SK005
REC. SK001
CL070 470pF
CL069 470pF
CL068 470pF
CL067 470pF
CJ072 VAL
RJ072 10K
CJ071 VAL
RJ071 10K
+5V
IK001
TMP87PP71F
RJ308 2K2
RJ307 2K2
INDEX+
RK308 220
RK307 220
TO TERMINAL BOARD
GND
I2CDATA
I2C_CLK
GND
PIN_78
PIN_77
BK506
RJ578 10K
RJ577 10K
JL074 0R0
RJ074 10K
UH-
ZMM4.7 DK066
CJ019 VAL
RJ019
RJ020
RJ021
RJ003
RK019 220
RK020 220
RK021 220
RK003 220
IK302
ST24C08
EEPROM
AYDIO
GND
GND
VIDEO
BK04
VIDEO PK01
RK95 75R
CK95 560pF
AUDIO PK02
RL96 2K7
CJ95 560pF
RJ95 47K
FCB
RK401 VAL
PK404
CL401 VAL
RL401 VAL
CL402 VAL
CAMERA PAUSE
CK033 330uF
CJ033 330nF
BK014
+6V
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
TO MAIN BOARD B

	JJ003	JJ005,JJ006 JJ007,JJ009
CAMPAUSE	•	-
KARAOKE	-	•

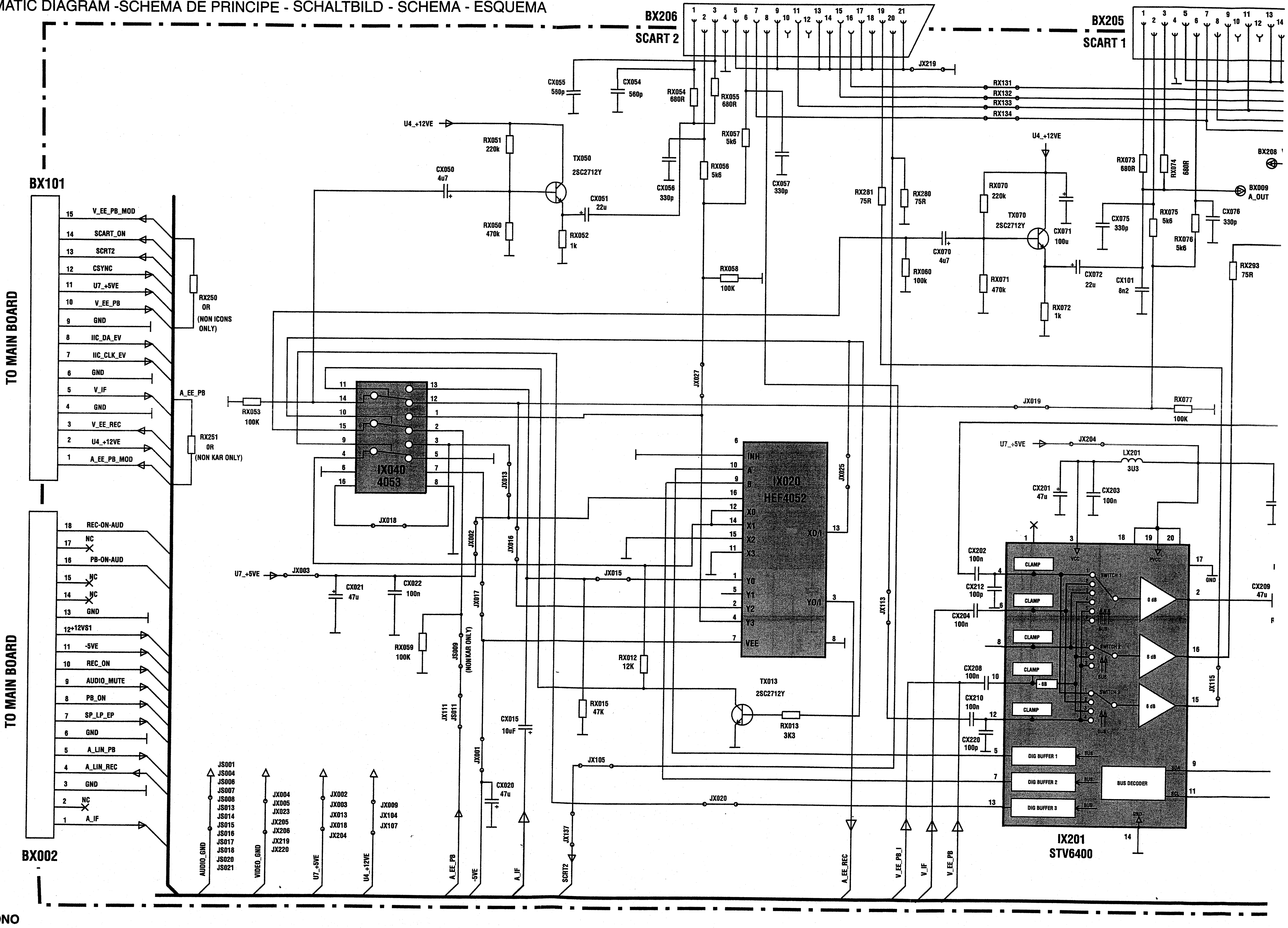
KEYBOARD WITH DISPLAY - PLATINE DE COMMANDES AVEC AFFICHEUR - BEDIENTEIL MIT DISPLAY - TASTIERA CON DISPLAY - PLATINA MANDOS CON VISUALIZADOR

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (V 1250 SSVM / V 1450 SSVM)


11-MT-83GK
GKF01
RKF94 0R
RJF94 0R
RLF94 0R
UH+
UH++
CLF94 VAL
LKF93 VAL
UH--
UH-
CLF93 10nF
RLF93 5K6
CL033 100nF
STOP/EJECT SK008
STANDBY SK004
F.FWD SK006
CH+ SK007
PLAY/PAUSE SK002
CH- SK003
F.REW SK005
REC. SK001
CL070 470pF
CL069 470pF
CL068 470pF
CL067 470pF
CJ072 VAL
RJ072 10K
CJ071 VAL
RJ071 10K
+5V
IK001
TMP87PP71F
CBC
+6V
CK280 470uF
GK202 DEV
GK203 DEV
GK204 DEV
RJ280 1K2
DK280 LL4148
TK280 BC337
RJ206 10K
TK206 2SA1162
RL280 3K
RL281 6R8
RL282 VAL
RL206 220
RJ422 10K
RJ423 10K
RJ424 10K
RJ425 10K
KARAOKE
BK405
1 BUSY
2 SCORE_DETECT
3 MUSIC_DETECT
4 D_GND
5 MIC SW
TO THE JACKBOARD
RK013 1M
QK001 8MHZ
CL014 68pF
CL013 56pF
TO TERMINAL BOARD
GND
I2CDATA
I2C_CLK
GND
PIN_78
PIN_77
BK506
RJ308 2K2
RJ307 2K2
INDEX+
RK308 220
RK307 220
RJ578 10K
RJ577 10K
IK302
ST24C08
EEPROM
JL074 0R0
RJ074 10K
ZMM4.7 DK066
CJ019 VAL
RJ019
RJ020
RJ021
RJ003
RK019 220
RK020 220
RK021 220
RK003 220
RK012 220
CL012 10nF
GP1U587X
ZK001 TFMT5330
RJ092 4K7
CJ091 VAL
RK091 220
CL092 330nF
RJ090 120
RJ091 100
DL091 DEV
CL091 22pF
WJ005
RJ318 VAL
CL318 VAL
IK303 74HC00
RJ305 VAL
GK305 SFH2030F
TK305 2SC2712
RL398 VAL
RL305 VAL
(7=GND,14=+5V)
LEARNING SAT.
AYDIO
GND
GND
VIDEO
BK04
VIDEO PK01
RK95 75R
CK95 560pF
RL96 2K7
AUDIO PK02
CJ95 560pF
RJ95 47K
FCB
JJ003
JJ005,JJ006 JJ007,JJ009
CAMPAUSE
KARAOKE
PK404
RK401 VAL
CL401 VAL
RL401 VAL
CL402 VAL
CK033 330uF
CJ033 330nF
CAMERA PAUSE
BK014
+6VE
U5_32VE
UH-
UH+
GND
+5VD
KDB_CLOCK
SERVO_KDB_DATA
KDB_SERVO_DATA
KDB_STROBE
REEMOTE
KDB_RESET
NC
CAMERA_PAUSE
TO MAIN BOARD BT 003

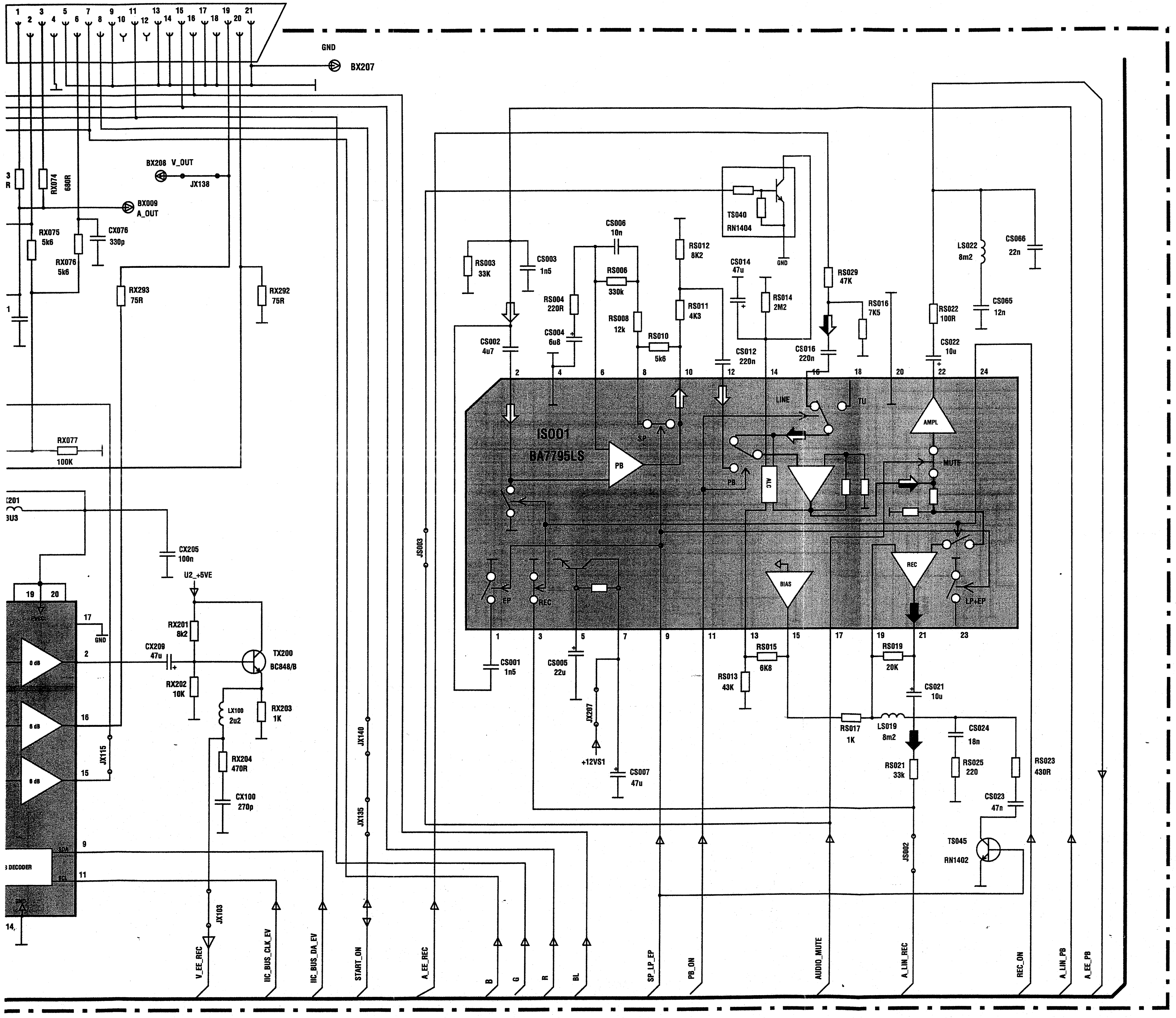
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA A

SCHEMATIC DIAGRAM -SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA


BX206
SCART 2
BX205
SCART 1
BX101
TO MAIN BOARD
15 V_EE_PB_MOD
14 SCART_ON
13 SCRT2
12 CSYNC
11 U7_+5VE
10 V_EE_PB
9 GND
8 IIC_DA_EV
7 IIC_CLK_EV
6 GND
5 V_IF
4 GND
3 V_EE_REC
2 U4_+12VE
1 A_EE_PB_MOD
RX250 OR (NON ICONS ONLY)
A_EE_PB
RX251 OR (NON KAR ONLY)
BX002
TO MAIN BOARD
18 REC-ON-AUD
17 NC
16 PB-ON-AUD
15 NC
14 NC
13 GND
12 +12VS1
11 -5VE
10 REC_ON
9 AUDIO_MUTE
8 PB_ON
7 SP_LP_EP
6 GND
5 A_LIN_PB
4 A_LIN_REC
3 GND
2 NC
1 A_IF
U4_+12VE
RX051 220k
RX050 470k
CX050 4u7
TX050 2SC2712Y
CX051 22u
RX052 1k
CX055 560p
CX054 560p
RX054 680R
RX055 680R
RX057 5k6
RX056 5k6
CX056 330p
CX057 330p
RX058 100K
JX219
RX131
RX132
RX133
RX134
RX281 75R
RX280 75R
RX070 220k
TX070 2SC2712Y
CX070 4u7
RX060 100k
RX071 470k
CX071 100u
CX072 22u
RX072 1k
CX075 330p
CX101 8n2
RX073 680R
RX074 680R
RX075 5k6
RX076 5k6
CX076 330p
RX293 75R
BX208
BX009 A_OUT
RX053 100K
IX040 4053
JX018
JX027
JX019
RX077 100K
U7_+5VE
JX204
LX201 3U3
CX201 47u
CX203 100n
IX020 HEF4052
INH
A
B
X0
X1
X2
X3
X0/1
Y0
Y1
Y2
Y3
Y0/1
VEE
JX025
JX013
JX002
JX016
JX017
JX003
CX021 47u
CX022 100n
RX059 100K
JS009 (NON KAR ONLY)
JX111 JS011
JX001
JX015
RX012 12K
RX015 47K
TX013 2SC2712Y
RX013 3K3
CX015 10uF
CX020 47u
JX105
JX137
JX020
JX113
JX115
CX202 100n
CX212 100p
CX204 100n
CX208 100n
CX210 100n
CX220 100p
CX209 47u
CLAMP
VCC
PVCC
SWITCH 1
SWITCH 2
SWITCH 3
0 dB
6 dB
-6B
BUS
GND
DIG BUFFER 1
DIG BUFFER 2
DIG BUFFER 3
BUS DECODER
SDA
SCL
IX201 STV6400
JS001 JS004 JS006 JS007 JS008 JS013 JS014 JS015 JS016 JS017 JS018 JS020 JS021
JX004 JX005 JX023 JX205 JX206 JX219 JX220
JX002 JX003 JX013 JX018 JX204
JX009 JX104 JX107
AUDIO_GND
VIDEO_GND
U7_+5VE
U4_+12VE
A_EE_PB
-5VE
A_IF
SCRT2
A_EE_REC
V_EE_PB_I
V_IF
V_EE_PB

CART - PLATINA AUDIO / SCART

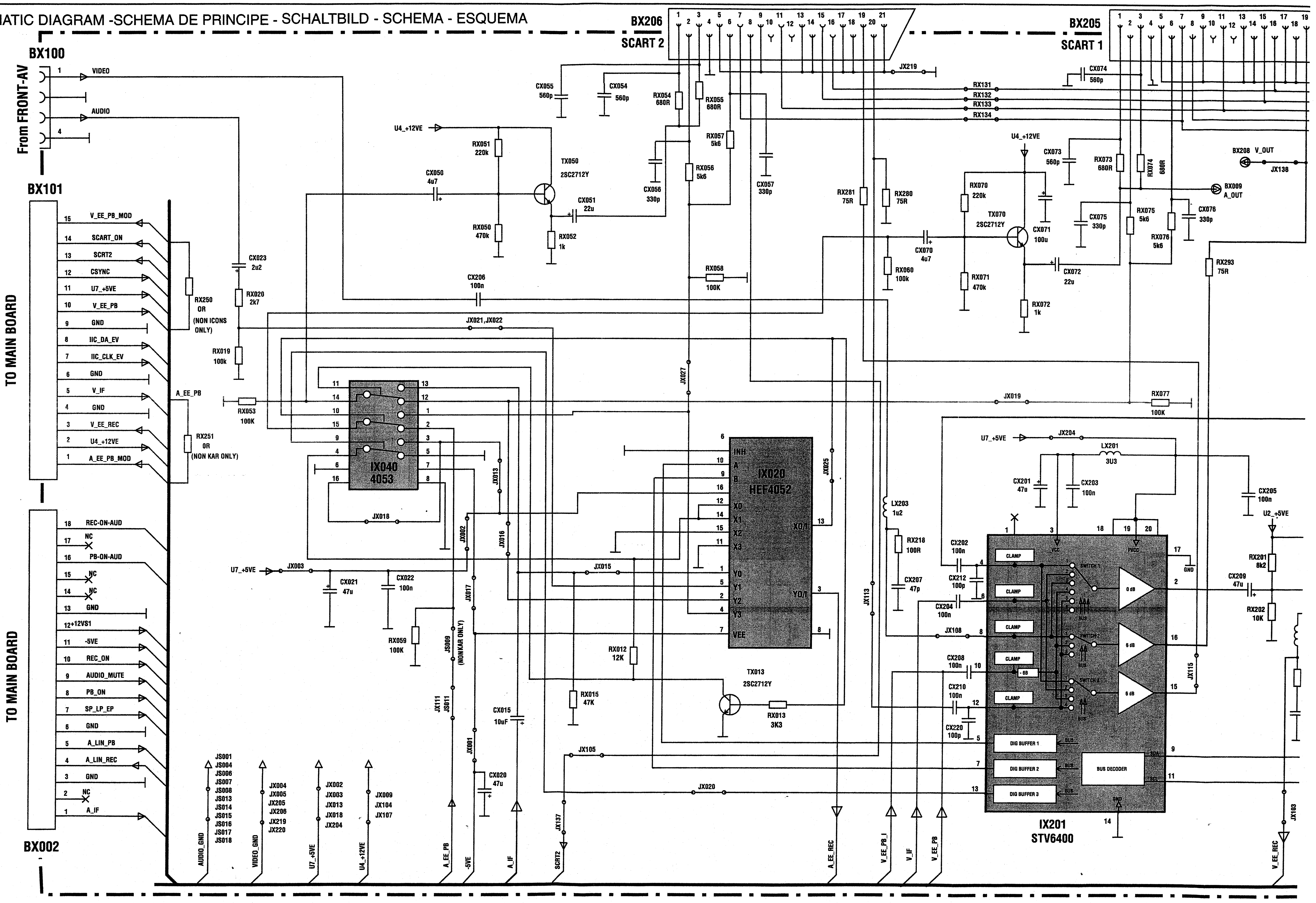
(VP 2601 / VP 4601 / T 8000 / M 9523 / VR 7021 / VR 7027 / VR 7041 / V 1250 SVM / V 1450 SVM)



GND
BX207
BX208 V_OUT
JX138
BX009 A_OUT
RX074 680R
RX075 5k6
RX076 5k6
CX076 330p
RX293 75R
RX292 75R
RX077 100K
CX205 100n
U2_+5VE
RX201 8k2
CX209 47u
RX202 10K
TX200 BC848/B
RX203 1K
LX100 2u2
RX204 470R
CX100 270p
JX115
JX103
JX140
JX135
JS003
GND
DECODER
SDA
SCL
0 dB
6 dB
6 dB
19
20
17
2
16
15
9
11
14
IS001
BA7795LS
PB
SP
LINE
TU
ALC
AMPL
MUTE
BIAS
REC
EP
REC
LP+EP
PB
RS003 33K
CS003 1n5
CS002 4u7
RS004 220R
CS004 6u8
CS006 10n
RS006 330k
RS008 12k
RS010 5k6
RS012 8K2
RS011 4K3
CS012 220n
CS014 47u
RS014 2M2
TS040 RN1404
GND
RS029 47K
CS016 220n
RS016 7K5
RS022 100R
CS022 10u
LS022 8m2
CS066 22n
CS065 12n
CS001 1n5
CS005 22u
JX207
+12VS1
CS007 47u
RS015 6K8
RS013 43K
RS019 20K
CS021 10u
RS017 1K
LS019 8m2
CS024 18n
RS021 33k
RS025 220
RS023 430R
CS023 47n
TS045 RN1402
JS002
V_EE_REC
IIC_BUS_CLK_EV
IIC_BUS_DA_EV
START_ON
A_EE_REC
B
G
R
BL
SP_LP_EP
PB_ON
AUDIO_MUTE
A_LIN_REC
REC_ON
A_LIN_PB
A_EE_PB

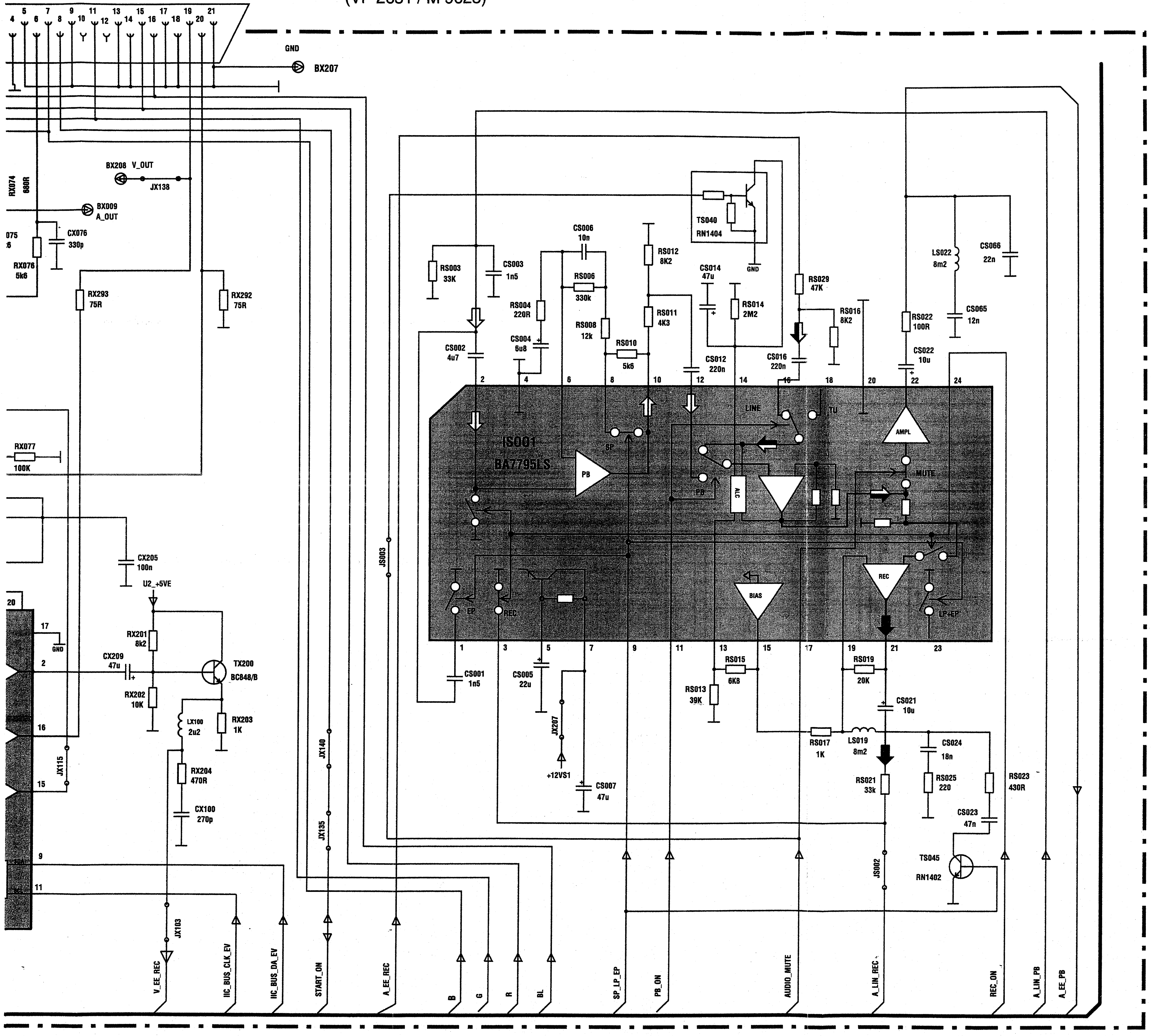
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA AUDIO / S

SCHEMATIC DIAGRAM -SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA


BX206
SCART 2
BX205
SCART 1
BX100
From FRONT-AV
VIDEO
AUDIO
BX101
TO MAIN BOARD
V_EE_PB_MOD
SCART_ON
SCRT2
CSYNC
U7_+5VE
V_EE_PB
GND
IIC_DA_EV
IIC_CLK_EV
V_IF
V_EE_REC
U4_+12VE
A_EE_PB_MOD
RX250 0R (NON ICONS ONLY)
RX251 0R (NON KAR ONLY)
A_EE_PB
BX002
REC-ON-AUD
NC
PB-ON-AUD
+12VS1
-5VE
REC_ON
AUDIO_MUTE
PB_ON
SP_LP_EP
A_LIN_PB
A_LIN_REC
A_IF
CX023 2u2
RX020 2k7
RX019 100k
RX053 100K
CX050 4u7
RX051 220k
RX050 470k
TX050 2SC2712Y
CX051 22u
RX052 1k
CX055 560p
CX054 560p
RX054 680R
RX055 680R
RX057 5k6
RX056 5k6
CX056 330p
CX057 330p
CX206 100n
RX058 100K
JX021,JX022
JX219
IX040 4053
JX018
JX013
JX016
JX002
JX017
U7_+5VE
JX003
CX021 47u
CX022 100n
RX059 100K
JS009 (NONKAR ONLY)
JX111 JS011
JX001
CX015 10uF
CX020 47u
JX015
JX105
JX020
JX137
IX020 HEF4052
INH
X0/1
Y0/1
VEE
JX027
JX025
RX012 12K
RX015 47K
TX013 2SC2712Y
RX013 3K3
RX281 75R
RX280 75R
RX131
RX132
RX133
RX134
CX074 560p
U4_+12VE
CX073 560p
RX073 680R
RX074 680R
BX208 V_OUT
JX138
BX009 A_OUT
RX070 220k
TX070 2SC2712Y
CX071 100u
CX070 4u7
RX060 100k
RX071 470k
CX072 22u
RX072 1k
RX075 5k6
RX076 5k6
CX075 330p
CX076 330p
RX293 75R
JX019
RX077 100K
U7_+5VE
JX204
LX201 3U3
CX201 47u
CX203 100n
CX205 100n
U2_+5VE
LX203 1u2
RX218 100R
CX207 47p
CX202 100n
CX212 100p
CX204 100n
JX108
CX208 100n
CX210 100n
CX220 100p
JX113
JX115
RX201 8k2
RX202 10K
CX209 47u
JX103
CLAMP
SWITCH 1
SWITCH 2
SWITCH 3
0 dB
6 dB
-6B
BUS
VCC
PVCC
DIG BUFFER 1
DIG BUFFER 2
DIG BUFFER 3
BUS DECODER
SDA
SCL
GND
IX201 STV6400
JS001 JS004 JS006 JS007 JS008 JS013 JS014 JS015 JS016 JS017 JS018
JX004 JX005 JX205 JX206 JX219 JX220
JX002 JX003 JX013 JX018 JX204
JX009 JX104 JX107
AUDIO_GND
VIDEO_GND
U7_+5VE
U4_+12VE
A_EE_PB
-5VE
A_IF
SCRT2
A_EE_REC
V_EE_PB_I
V_IF
V_EE_PB
V_EE_REC

- PLATINA AUDIO / SCART

(VP 2651 / M 9625)



GND
BX207
BX208 V_OUT
JX138
BX009 A_OUT
RX074 680R
075
CX076 330p
RX076 5k6
RX293 75R
RX292 75R
RX077 100K
CX205 100n
U2_+5VE
RX201 8k2
CX209 47u
TX200 BC848/B
RX202 10K
RX203 1K
LX100 2u2
RX204 470R
CX100 270p
JX115
JX140
JX135
JX103
JS003
CS006 10n
RS012 8K2
TS040 RN1404
RS003 33K
CS003 1n5
RS006 330k
RS004 220R
RS008 12k
CS004 6u8
CS002 4u7
RS010 5k6
RS011 4K3
CS014 47u
RS014 2M2
CS012 220n
RS029 47K
CS016 220n
RS016 8K2
LS022 8m2
CS066 22n
CS065 12n
RS022 100R
CS022 10u
IS001 BA7795LS
LINE
TU
SP
PB
ALC
AMPL
MUTE
REC
BIAS
EP
LP+EP
CS001 1n5
CS005 22u
JX207
+12VS1
CS007 47u
RS015 6K8
RS013 39K
RS019 20K
CS021 10u
RS017 1K
LS019 8m2
CS024 18n
RS025 220
RS021 33k
RS023 430R
CS023 47n
TS045 RN1402
JS002
V_EE_REC
IIC_BUS_CLK_EV
IIC_BUS_DA_EV
START_ON
A_EE_REC
B
G
R
BL
SP_LP_EP
PB_ON
AUDIO_MUTE
A_LIN_REC
REC_ON
A_LIN_PB
A_EE_PB

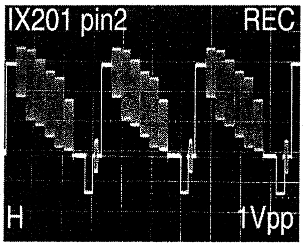
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA AUDIO / SCART

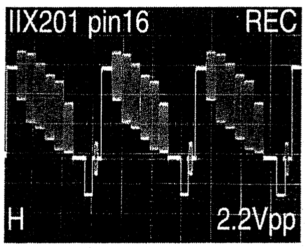
MEASUREMENTS - MESURES - MESSUNGEN - MISURE - MEDIDAS

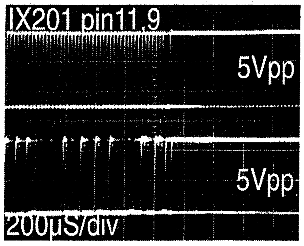
VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
IS001	1	0	0	0
	2	2	2	2
	3	0	0	0
	4	0	0	0
	5	12.3	12.3	12.3
	6	2	2	2
	7	12.4	12.4	12.4
	8	2.1	2.1	2.1
	9	0.1	0.1	0.1
	10	2.1	2.1	2.1
	11	0	0	0
	12	5.8	5.8	5.8
	13	5	5	5
	14	0	0	0
	15	5.9	5.9	5.9
	16	5.8	5.8	5.8
	17	0	0	0
	18	0	0	0
	19	5.9	5.9	5.9
	20	0	0	0
	21	5.9	5.9	5.9
	22	5.9	5.9	5.9
	23	0	0	0
	24	0	0	4.8
IX020	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	0	0
	6	0	0	0
	7	0	0	0
	8	0	0	0
	9	5.2	5.2	5.2
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	0	0	0
	14	0	0	0
	15	0	0	0
	16	5.2	5.2	5.2

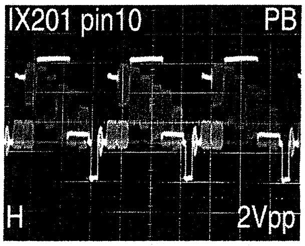
VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
IX040	1	0	0	0
	2	0	0	0
	3	5.2	5.2	5.2
	4	0	0	0
	5	0	0	0
	6	0	0	0
	7	0	0	0
	8	0	0	0
	9	0	0	0
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	4	4	4
	14	0	0	0
	15	0	0	0
	16	5.2	5.2	5.2
IX201	1	0	0	0
	2	1.2	1.2	1.2
	3	5.2	5.2	5.2
	4	1.9	1.9	1.9
	5	0.1	0.1	0.1
	6	1.9	1.9	1.9
	7	5.2	5.2	5.2
	8	1.5	1.5	1.5
	9	4.4	4.4	4.4
	10	2.3	2.3	2.32
	11	4.5	4.5	4.5
	12	1.5	1.5	1.5
	13	0.1	0.1	0.1
	14	0	0	0
	15	1.8	1.8	1.8
	16	1.8	1.8	1.8
	17	0	0	0
	18	5.2	5.2	5.2
	19	5.2	5.2	5.2
	20	5.2	5.2	5.2
TS040	E	0	0	0
	B	0	0	0
	C	0	0	0

VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
TS045	E	0	0	0
	B	0	0	0
	C	0	0	0
TX013	E	0	0	0
	B	0	0	0
	C	0	0	0
TX050	E	4.5	4.5	4.5
	B	5.2	5.2	5.2
	C	12.8	12.8	12.8
TX070	E	4.5	4.5	4.5
	B	5.2	5.2	5.2
	C	12.8	12.8	12.8
TX200	E	2.5	2.5	2.5
	B	3.1	3.1	3.1
	C	5.6	5.6	5.6



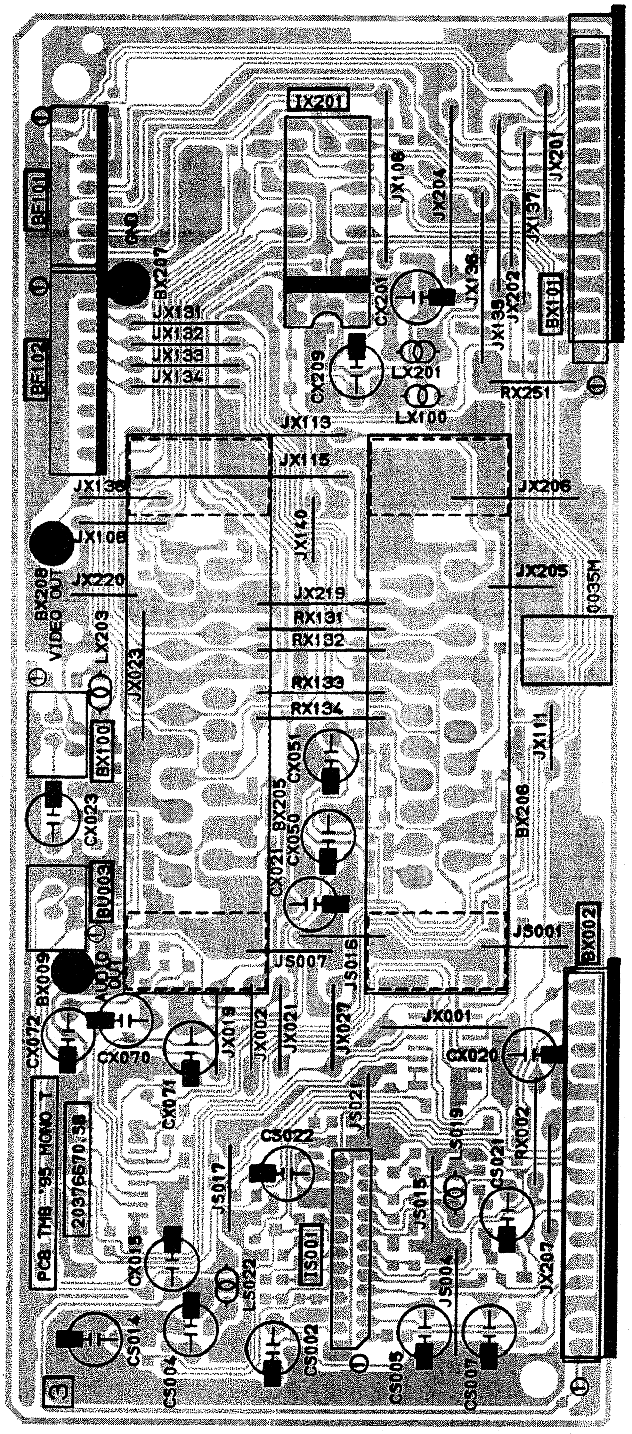






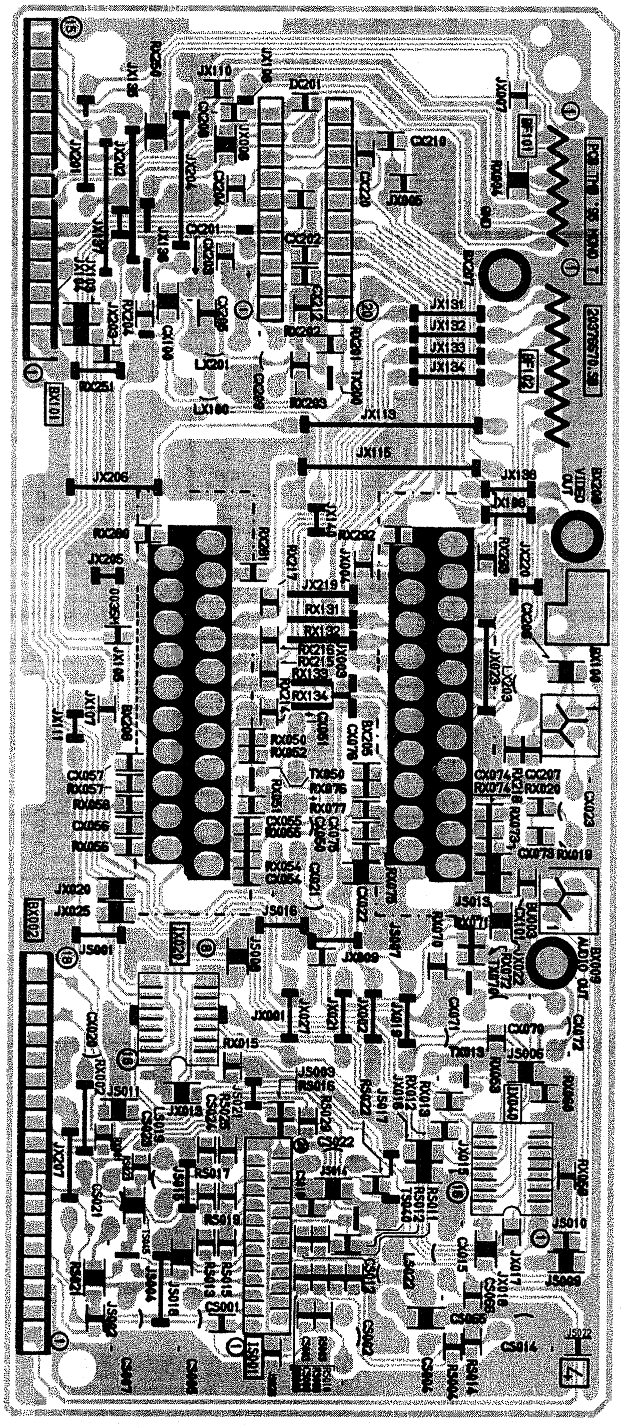
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA AUDIO / SCART

Component side -Côté composants - Bestückungsseite -
Lato componenti - Lado componentes



IX201
BE101
BE102
BX207
GND
JX131
JX132
JX133
JX134
JX106
JX204
JX137
JX201
JX136
JX135
JX202
BX101
CX201
CX209
LX201
LX100
RX251
JX113
JX115
JX138
JX108
JX206
JX140
BX208
VIDEO OUT
JX220
JX205
JX219
RX131
RX132
RX133
RX134
0035M
LX203
JX023
BX100
JX111
CX051
BX205
CX050
BX206
CX023
BU003
CX021
JS001
BX002
BX009
AUDIO OUT
JS007
JS016
CX072
CX070
JX019
JX002
JX021
JX027
JX001
CX020
CX071
PCB THB '95 MONO T
20976870.38
CS022
JS021
JS019
JS017
CS021
RX002
JS015
CX015
JS022
IS001
JS004
JX207
CS014
CS004
CS002
CS005
CS007
3

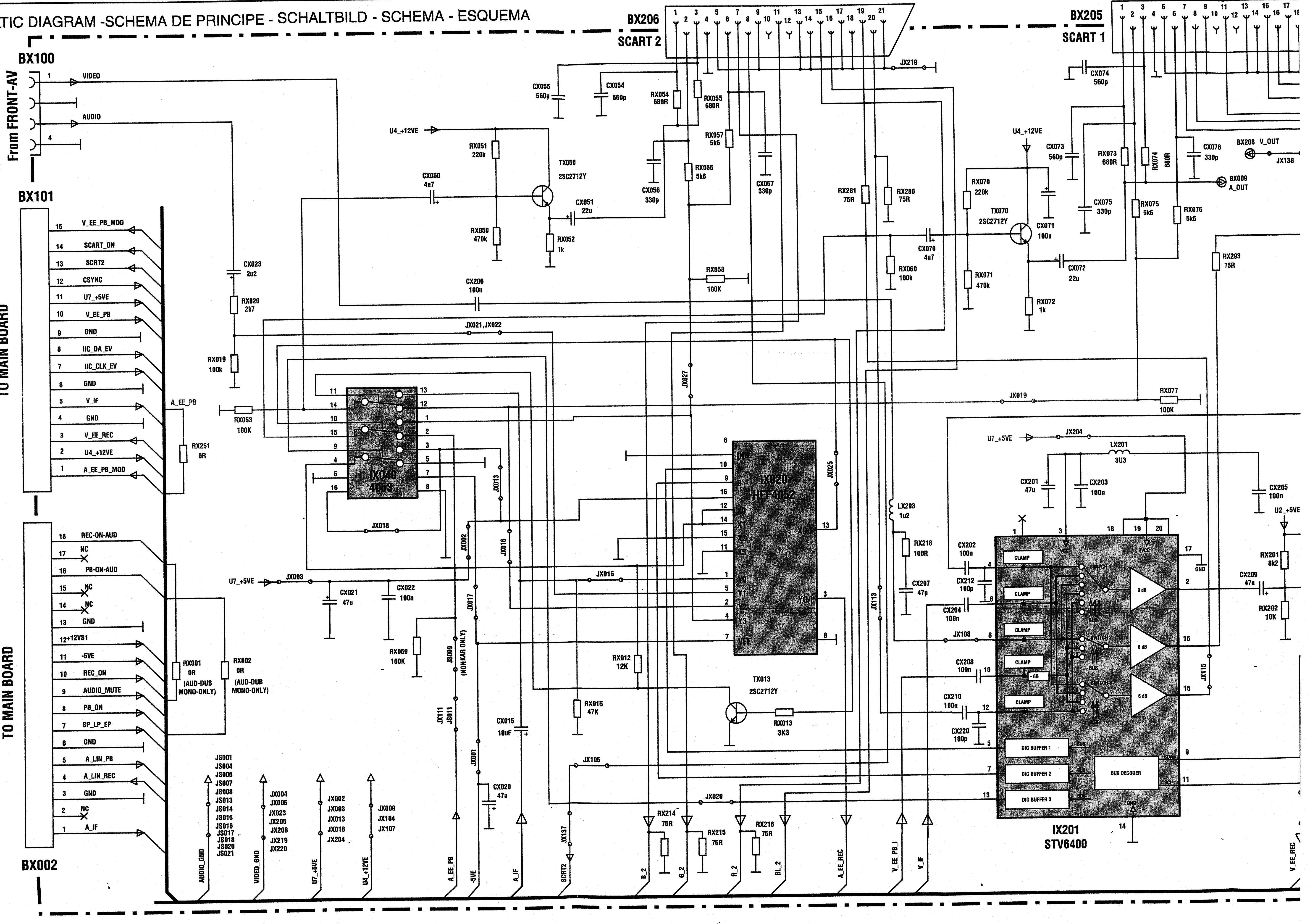
Solder side -Côté cuivre - Lötseite - Lato saldature -
Lado del cobre



JX110
IX201
CX219
JX107
BF101
JX135
JX205
RX251
BX101
JX131
JX132
JX133
JX134
BF121
JX113
JX115
JX206
JX138
JX108
BX208
VIDEO OUT
JX220
JX219
RX131
RX132
RX133
RX134
CX057
CX074
CX207
BX002
JX020
JX025
JS016
JS001
JS015
BX009
AUDIO OUT
JX001
JX027
JX021
JX002
JX019
CX070
CX072
RX015
JS009
JS011
RS017
RS018
JS010
JS009
CS001
IS001
CS005
CS014
JS022
7

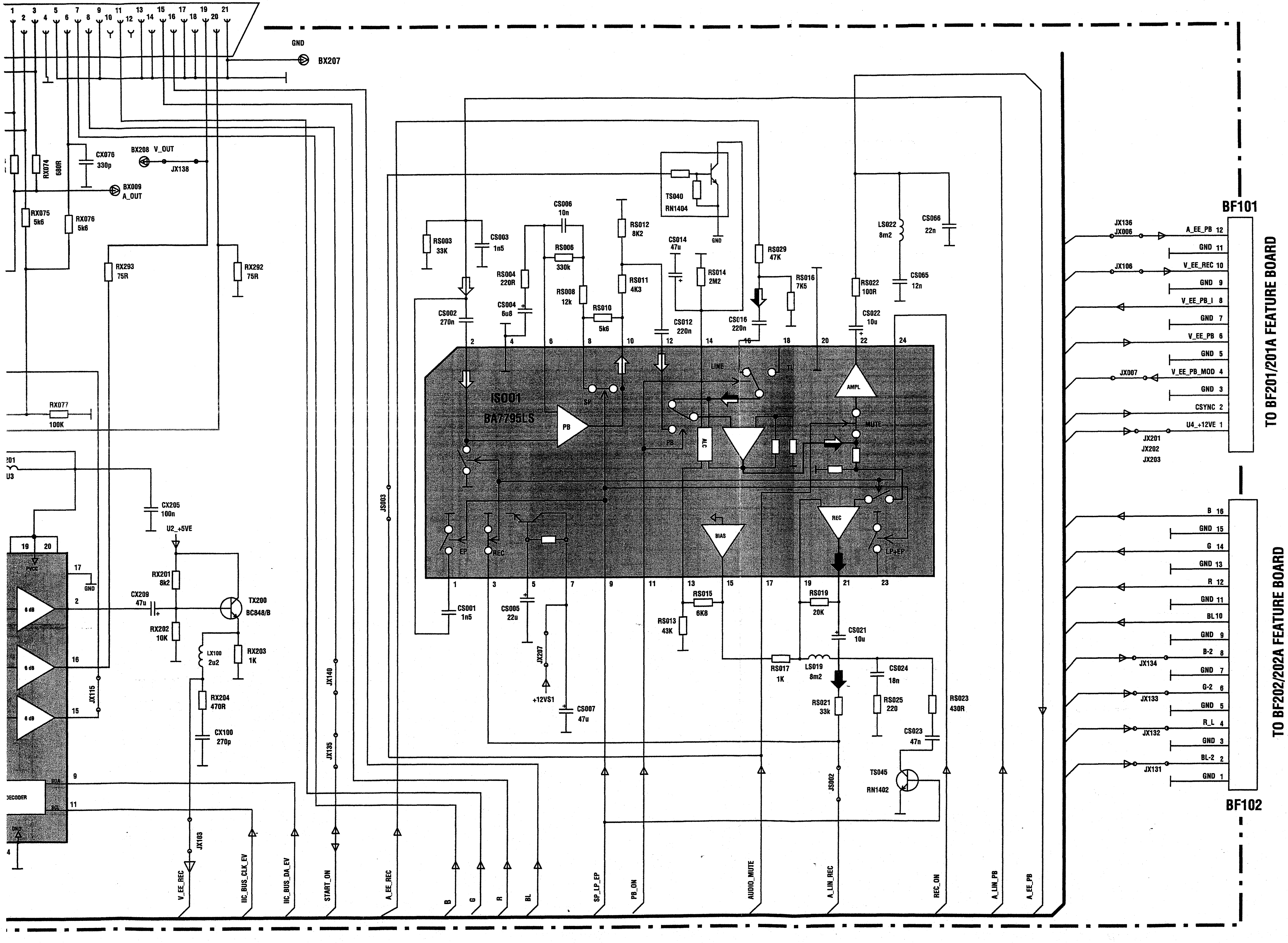
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA AUDIO

SCHEMATIC DIAGRAM -SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA


BX206
SCART 2
BX205
SCART 1
BX100
From FRONT-AV
VIDEO
AUDIO
BX101
TO MAIN BOARD
15 V_EE_PB_MOD
14 SCART_ON
13 SCRT2
12 CSYNC
11 U7_+5VE
10 V_EE_PB
9 GND
8 IIC_DA_EV
7 IIC_CLK_EV
6 GND
5 V_IF
4 GND
3 V_EE_REC
2 U4_+12VE
1 A_EE_PB_MOD
A_EE_PB
RX251 0R
BX002
18 REC-ON-AUD
17 NC
16 PB-ON-AUD
15 NC
14 NC
13 GND
12 +12VS1
11 -5VE
10 REC_ON
9 AUDIO_MUTE
8 PB_ON
7 SP_LP_EP
6 GND
5 A_LIN_PB
4 A_LIN_REC
3 GND
2 NC
1 A_IF
RX001 0R (AUD-DUB MONO-ONLY)
RX002 0R (AUD-DUB MONO-ONLY)
CX023 2u2
RX020 2k7
RX019 100k
RX053 100K
CX055 560p
CX054 560p
RX054 680R
RX055 680R
RX057 5k6
RX056 5k6
CX056 330p
CX057 330p
U4_+12VE
RX051 220k
RX050 470k
CX050 4u7
TX050 2SC2712Y
CX051 22u
RX052 1k
CX206 100n
RX058 100K
JX219
JX021,JX022
JX027
IX040 4053
JX018
JX013
JX016
JX002
JX017
JX003
U7_+5VE
CX021 47u
CX022 100n
RX059 100K
JS009 (NONKAR ONLY)
JX111 JS011
JX001
CX015 10uF
CX020 47u
IX020 HEF4052
INH A B X0 X1 X2 X3 Y0 Y1 Y2 Y3 VEE X0/1 Y0/1
JX015
RX012 12K
RX015 47K
TX013 2SC2712Y
RX013 3K3
JX105
JX020
JX025
JX113
RX281 75R
RX280 75R
RX060 100k
CX070 4u7
RX070 220k
RX071 470k
TX070 2SC2712Y
CX071 100u
CX072 22u
RX072 1k
CX074 560p
CX073 560p
RX073 680R
RX074 680R
CX076 330p
CX075 330p
RX075 5k6
RX076 5k6
BX208 V_OUT
JX138
BX009 A_OUT
RX293 75R
JX019
RX077 100K
JX204
LX201 3U3
CX201 47u
CX203 100n
CX205 100n
U2_+5VE
LX203 1u2
RX218 100R
CX207 47p
CX202 100n
CX212 100p
CX204 100n
JX108
CX208 100n
CX210 100n
CX220 100p
CLAMP
SWITCH 1
SWITCH 2
SWITCH 3
6 dB
-6B
BUS
VCC
PVCC
DIG BUFFER 1
DIG BUFFER 2
DIG BUFFER 3
BUS DECODER
SDA
SCL
GND
IX201 STV6400
RX201 8k2
CX209 47u
RX202 10K
JX115
RX214 75R
RX215 75R
RX216 75R
JX137
JS001 JS004 JS006 JS007 JS008 JS013 JS014 JS015 JS016 JS017 JS018 JS020 JS021
JX004 JX005 JX023 JX205 JX206 JX219 JX220
JX002 JX003 JX013 JX018 JX204
JX009 JX104 JX107
AUDIO_GND
VIDEO_GND
U7_+5VE
U4_+12VE
A_EE_PB
-5VE
A_IF
SCRT2
B_2
G_2
R_2
BL_2
A_EE_REC
V_EE_PB_I
V_IF
V_EE_REC

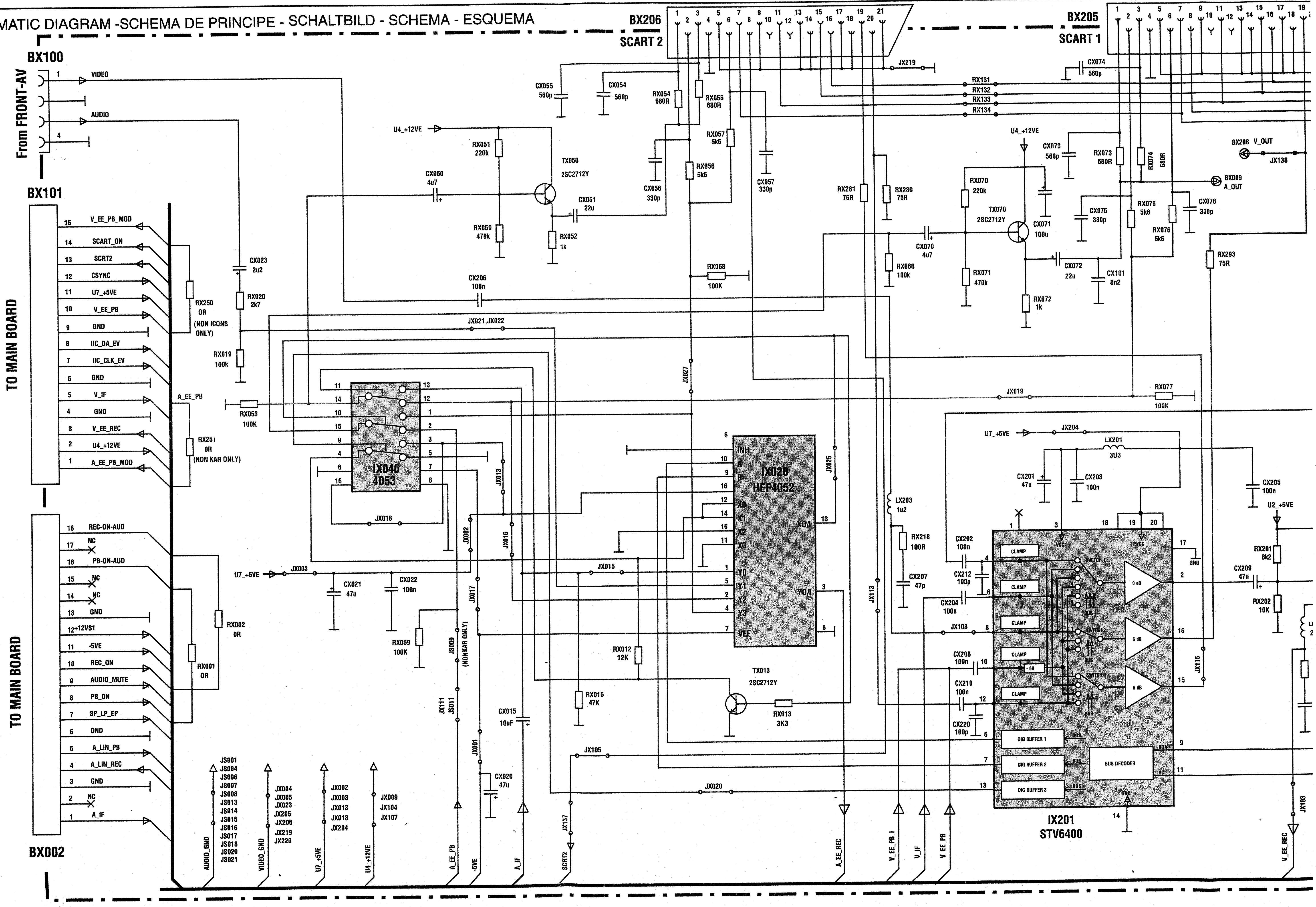
ꞏCART - PLATINA AUDIO / SCART

(V 1455 SENSAR)


GND
BX207
BX208 V_OUT
JX138
CX076
330p
RX074
680R
BX009
A_OUT
RX075
5k6
RX076
5k6
RX293
75R
RX292
75R
RX077
100K
CX205
100n
U2_+5VE
RX201
8k2
CX209
47u
RX202
10K
TX200
BC848/B
LX100
2u2
RX203
1K
RX204
470R
CX100
270p
JX115
JX140
JX135
JX103
JS003
6 dB
PVCC
GND
SDA
SCL
DECODER
IS001
BA7795LS
PB
SP
LINE
TU
ALC
AMPL
MUTE
BIAS
REC
EP
LP+EP
CS001
1n5
CS002
270n
CS003
1n5
CS004
6u8
CS005
22u
CS006
10n
CS007
47u
RS003
33K
RS004
220R
RS006
330k
RS008
12k
RS010
5k6
RS011
4K3
RS012
8K2
CS012
220n
CS014
47u
RS014
2M2
TS040
RN1404
CS016
220n
RS029
47K
RS016
7K5
LS022
8m2
CS066
22n
CS065
12n
RS022
100R
CS022
10u
RS013
43K
RS015
6K8
RS017
1K
LS019
8m2
RS019
20K
CS021
10u
RS021
33k
CS024
18n
RS025
220
RS023
430R
CS023
47n
TS045
RN1402
JS002
JX207
+12VS1
V_EE_REC
IIC_BUS_CLK_EV
IIC_BUS_DA_EV
START_ON
A_EE_REC
B
G
R
BL
SP_LP_EP
PB_ON
AUDIO_MUTE
A_LIN_REC
REC_ON
A_LIN_PB
A_EE_PB
BF101
JX136
JX006
JX106
JX007
JX201
JX202
JX203
A_EE_PB 12
GND 11
V_EE_REC 10
GND 9
V_EE_PB_I 8
GND 7
V_EE_PB 6
GND 5
V_EE_PB_MOD 4
GND 3
CSYNC 2
U4_+12VE 1
TO BF201/201A FEATURE BOARD
BF102
B 16
GND 15
G 14
GND 13
R 12
GND 11
BL 10
GND 9
B-2 8
GND 7
G-2 6
GND 5
R_L 4
GND 3
BL-2 2
GND 1
JX134
JX133
JX132
JX131
TO BF202/202A FEATURE BOARD

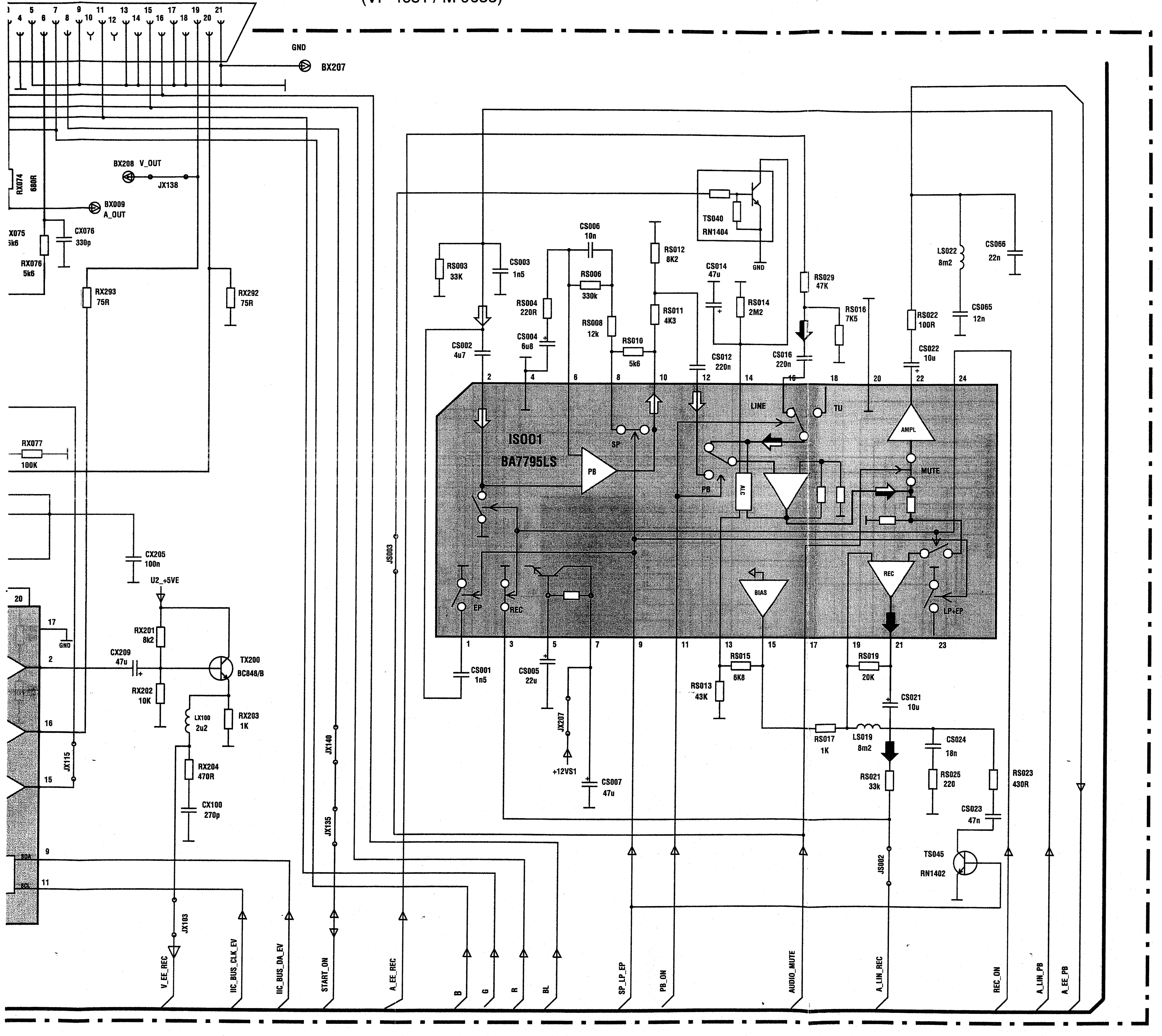
AUDIO / SCART CONNECTION BOARD - PLATINE AUDIO / PRISES SCART - LEITERPLATTE AUDIO / SCART ANSCHLUSS - PIASTRA AUDIO / SCART - PLATINA AUDIO / S

SCHEMATIC DIAGRAM -SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA

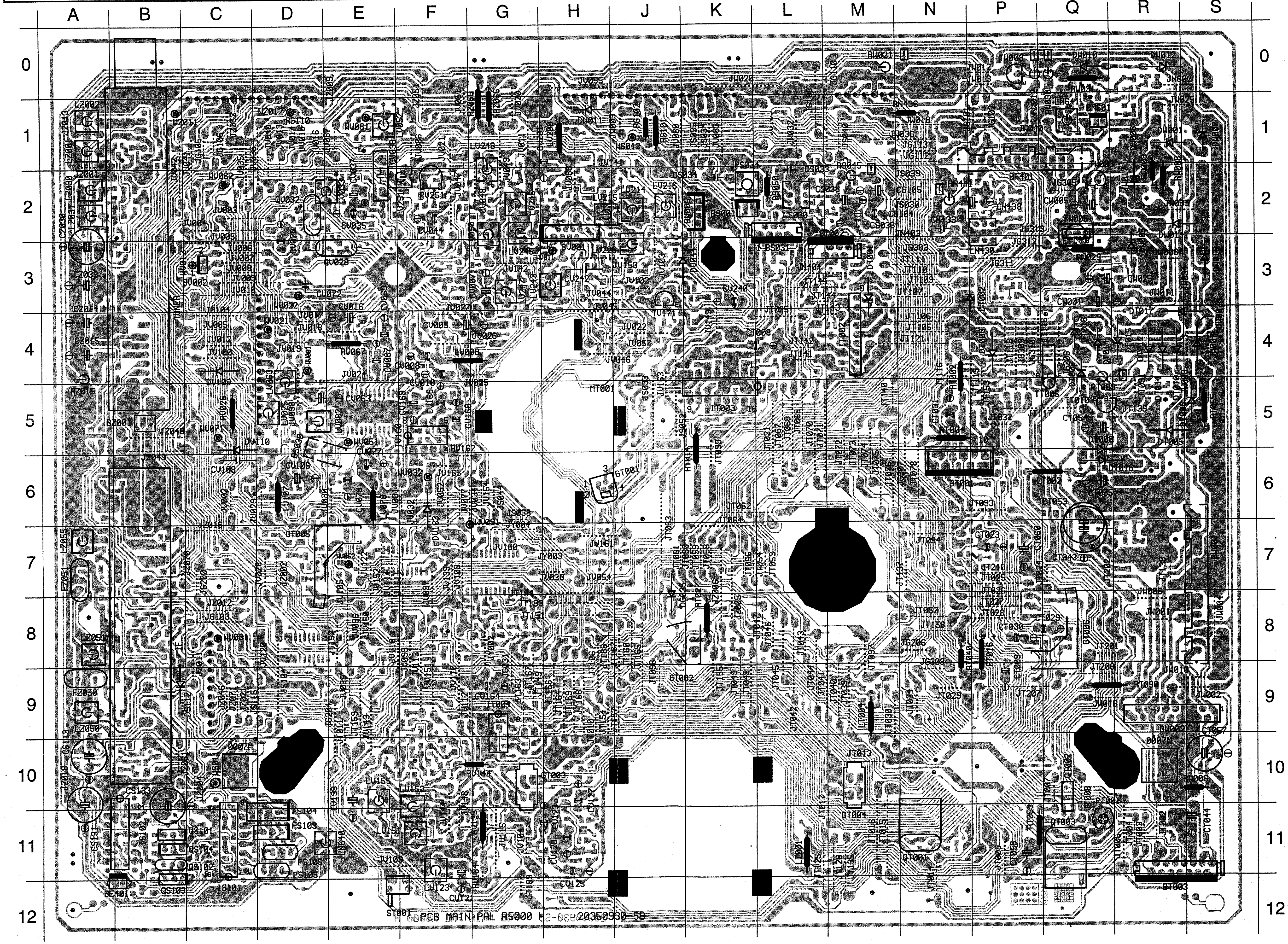

BX206
SCART 2
BX205
SCART 1
BX100
From FRONT-AV
VIDEO
AUDIO
BX101
TO MAIN BOARD
V_EE_PB_MOD
SCART_ON
SCRT2
CSYNC
U7_+5VE
V_EE_PB
GND
IIC_DA_EV
IIC_CLK_EV
V_IF
V_EE_REC
U4_+12VE
A_EE_PB_MOD
RX250
0R
(NON ICONS ONLY)
RX251
0R
(NON KAR ONLY)
A_EE_PB
BX002
REC-ON-AUD
NC
PB-ON-AUD
+12VS1
-5VE
REC_ON
AUDIO_MUTE
PB_ON
SP_LP_EP
A_LIN_PB
A_LIN_REC
A_IF
RX002
0R
RX001
0R
CX023
2u2
RX020
2k7
RX019
100k
RX053
100K
CX050
4u7
RX051
220k
RX050
470k
TX050
2SC2712Y
CX051
22u
RX052
1k
CX055
560p
CX054
560p
RX054
680R
RX055
680R
RX057
5k6
RX056
5k6
CX056
330p
CX057
330p
JX219
RX131
RX132
RX133
RX134
CX074
560p
RX058
100K
CX206
100n
JX021,JX022
JX027
RX281
75R
RX280
75R
RX060
100k
CX070
4u7
RX070
220k
TX070
2SC2712Y
RX071
470k
CX071
100u
RX072
1k
CX072
22u
CX073
560p
RX073
680R
RX074
680R
CX075
330p
RX075
5k6
RX076
5k6
CX076
330p
CX101
8n2
RX293
75R
BX208 V_OUT
JX138
BX009
A_OUT
RX077
100K
JX019
IX040
4053
JX018
JX013
JX016
JX002
JX017
IX020
HEF4052
INH
X0
X1
X2
X3
X0/1
Y0
Y1
Y2
Y3
Y0/1
VEE
JX025
U7_+5VE
JX003
CX021
47u
CX022
100n
JX015
RX059
100K
JS009
(NONKAR ONLY)
JX111
JS011
JX001
CX015
10uF
CX020
47u
RX012
12K
RX015
47K
TX013
2SC2712Y
RX013
3K3
JX105
JX020
JX137
JX113
LX203
1u2
RX218
100R
CX207
47p
JX204
LX201
3U3
CX201
47u
CX203
100n
CX205
100n
U2_+5VE
CX202
100n
CX212
100p
CX204
100n
JX108
CX208
100n
CX210
100n
CX220
100p
CLAMP
VCC
PVCC
SWITCH 1
SWITCH 2
SWITCH 3
0 dB
6 dB
-6B
BUS
DIG BUFFER 1
DIG BUFFER 2
DIG BUFFER 3
BUS DECODER
SDA
SCL
GND
IX201
STV6400
JX115
RX201
8k2
CX209
47u
RX202
10K
JX103
JS001 JS004 JS006 JS007 JS008 JS013 JS014 JS015 JS016 JS017 JS018 JS020 JS021
JX004 JX005 JX023 JX205 JX206 JX219 JX220
JX002 JX003 JX013 JX018 JX204
JX009 JX104 JX107
AUDIO_GND
VIDEO_GND
U7_+5VE
U4_+12VE
A_EE_PB
-5VE
A_IF
SCRT2
A_EE_REC
V_EE_PB_I
V_IF
V_EE_PB
V_EE_REC

T - PLATINA AUDIO / SCART

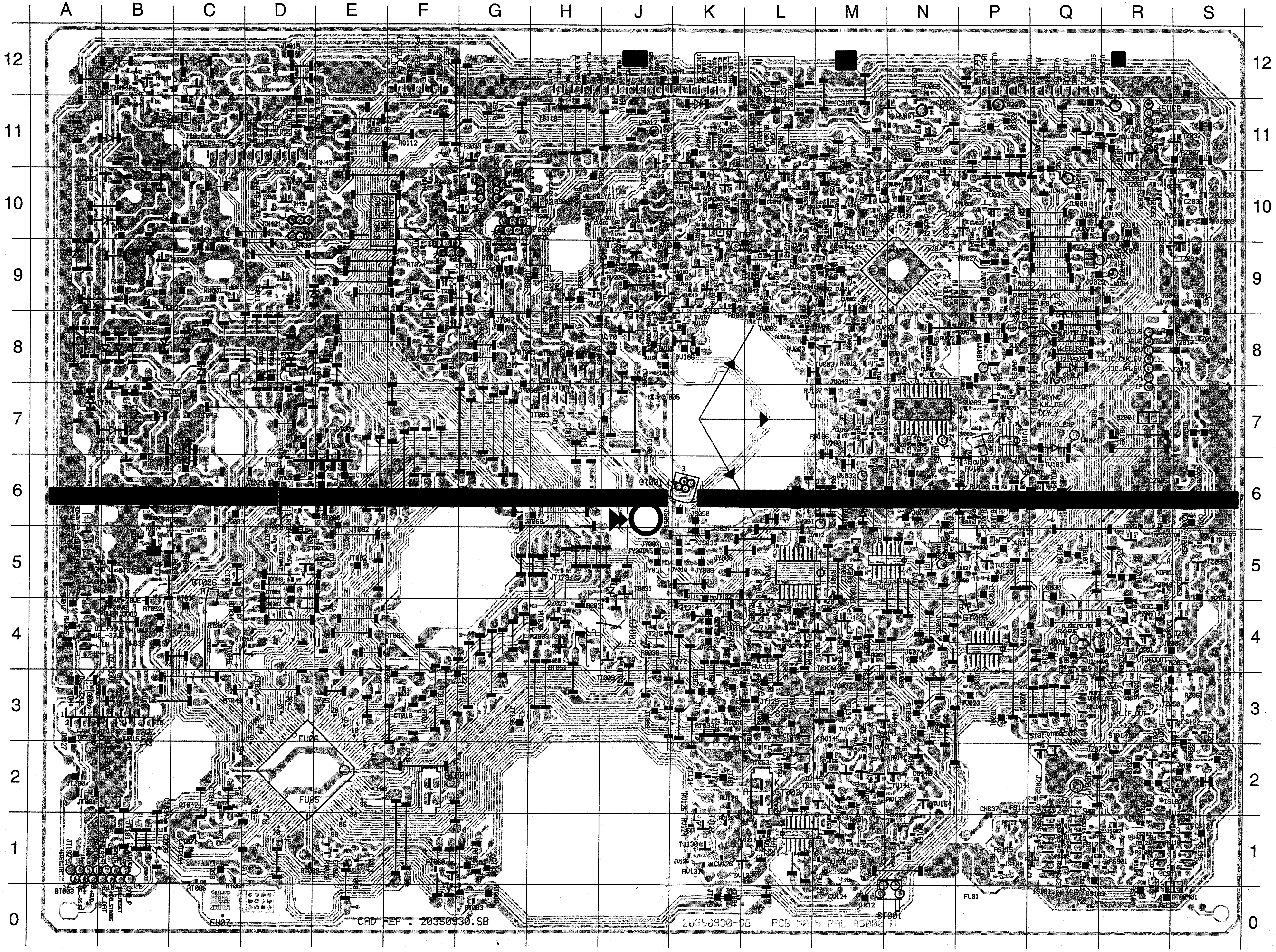
(VP 4681 / M 9655)


GND
BX207
BX208 V_OUT
JX138
RX074 680R
BX009 A_OUT
X075 5k6
CX076 330p
RX076 5k6
RX293 75R
RX292 75R
RX077 100K
CX205 100n
U2_+5VE
20
17
GND
2
16
15
9
11
SDA
SCL
CX209 47u
RX201 8k2
RX202 10K
TX200 BC848/B
RX203 1K
LX100 2u2
RX204 470R
CX100 270p
JX115
JX103
JX140
JX135
JS003
RS003 33K
CS003 1n5
CS002 4u7
RS004 220R
CS004 6u8
CS006 10n
RS006 330k
RS008 12k
RS010 5k6
RS012 8K2
RS011 4K3
TS040 RN1404
GND
CS014 47u
RS014 2M2
CS012 220n
RS029 47K
RS016 7K5
CS016 220n
LS022 8m2
CS066 22n
RS022 100R
CS065 12n
CS022 10u
IS001
BA7795LS
PB
SP
LINE
TU
PB
ALC
AMPL
MUTE
BIAS
REC
EP
REC
LP+EP
2 4 6 8 10 12 14 16 18 20 22 24
1 3 5 7 9 11 13 15 17 19 21 23
CS001 1n5
CS005 22u
JX207
+12VS1
CS007 47u
RS013 43K
RS015 6K8
RS019 20K
CS021 10u
RS017 1K
LS019 8m2
CS024 18n
RS021 33k
RS025 220
RS023 430R
CS023 47n
JS002
TS045 RN1402
V_EE_REC
IIC_BUS_CLK_EV
IIC_BUS_DA_EV
START_ON
A_EE_REC
B
G
R
BL
SP_LP_EP
PB_ON
AUDIO_MUTE
A_LIN_REC
REC_ON
A_LIN_PB
A_EE_PB

Main P.C.B. components side • Circuit imprimé de la platine principale côté composants • Hauptleiterplatte Bestückungsseite Piastra principale lato componenti • Platina principal lado componentes (1. Version)


A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
0
1
2
3
4
5
6
7
8
9
10
11
12
PCB MAIN PAL R5000 E2-0630 20350930-S8

Main P.C.B. Solder side • Circuit imprimé de la platine principale côté cuivre • Hauptleiterplatte Lötseite
Piastra principale lato saldature • Platina principal lado del cobre (1. Version)


A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
12
11
10
9
8
7
6
5
4
3
2
1
0
FU06
FU05
FU03
GT001
GT004
GT003
GT006
ST001
EU07
CAD REF : 20350930.SB
20350930-SB PCB MAIN PAL R5000 A

COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTS

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

1 2 3

BE401	B12
BE401*	S0
BF401	P2
BF401*	D10
BN601	Q1
BN601*	B11
BS001	K2
BS001*	H10
BS030	D5
BS030*	P7
BS031	L3
BS031*	H10
BT001	N6
BT001*	D7
BT002	M2
BT002*	G10
BT003	R12
BT003*	A0
BV001	H3
BV001*	K10
BV002	C3
BV002*	Q9
BW001	S7
BW001*	A5
BW002	R9
BW005	K2
BW005*	H10

CF401*	D11
CG101*	R10
CG102*	R9
CJ104	N2
CJ105	N2
CN431*	D10
CN433	N2
CN436*	D10
CN438	P2
CN438*	D10
CN637*	P2
CN640*	C11
CN643*	B11
CN644*	B12
CN645*	C12
CN646*	C11
CS030*	G10
CS031*	G11
CS033	L2
CS034	J2
CS036	M2
CS038	L2
CS101*	Q1
CS102*	Q1
CS103*	Q1
CS104*	Q1
CS112*	R2
CS113	A10
CS116*	S1
CS118*	R1
CS121*	S1
CS122*	S3
CS123*	R1
CS124*	R2
CS131	A11
CS132*	Q1
CS133	B10
CS134*	Q2
CS135*	M11
CT001*	H8
CT002*	E7
CT003*	D7
CT004*	E6
CT005*	J7
CT006*	J8
CT007*	J7
CT008	L4

CT009	P9
CT010*	G9
CT011*	H7
CT012*	E1
CT013*	E1
CT014*	H7
CT015*	H8
CT016*	H8
CT017*	E5
CT018*	F3
CT020*	F8
CT021*	C5
CT022*	P5
CT023	P7
CT024*	D5
CT025*	D6
CT026*	D5
CT027*	C4
CT028*	D3
CT029	P8
CT030	P8
CT031	N5
CT032*	F2
CT034*	C2
CT035*	C1
CT036*	C1
CT037*	C1
CT038*	G1
CT039*	L2
CT040*	L3
CT041*	C2
CT042*	C2
CT043	Q7
CT044	S11
CT045*	C7
CT046*	C7
CT047*	B7
CT048*	B7
CT049*	B5
CT050*	C5
CT051*	C7
CT052*	C6
CT053	Q6
CT054	Q5
CT055	Q6
CT056	P11
CT060	P7
CT070*	L3
CV001*	M9
CV002*	M9
CV004*	L8
CV005	F4
CV006*	L8
CV007	F3
CV008	F4
CV009*	M8
CV010	F4
CV011*	M9
CV013*	N8
CV016	E3
CV022*	N9
CV025*	P9
CV029	D2
CV030*	P10
CV032*	N10
CV034*	N10
CV035	E2
CV036*	N10
CV037	E2
CV038	E1
CV039*	N10
CV041*	M10
CV042*	M10
CV044	F2
CV045*	M10
CV046*	L9
CV047*	M9
CV048*	M10
CV049*	M9
CV050*	L10
CV051*	M11

CV052*	N11
CV053*	N11
CV054*	N12
CV055*	N12
CV062*	P8
CV063	E5
CV064*	N8
CV065*	N8
CV067	E4
CV069	E3
CV071*	N8
CV072	E3
CV074*	N6
CV076*	N7
CV077	E5
CV078*	N7
CV079	E6
CV082*	P7
CV083*	P7
CV103*	P7
CV106	D6
CV107*	P6
CV108	C6
CV121	G12
CV122*	L2
CV123	H11
CV124*	M0
CV125	H12
CV126*	K1
CV127	H10
CV128	H11
CV135*	M2
CV139	E10
CV140*	N2
CV141*	M2
CV150*	M1
CV151*	M1
CV152*	M1
CV153*	N2
CV154*	N1
CV155*	N1
CV156*	N1
CV161*	M6
CV163*	M7
CV164	G9
CV165*	M7
CV166	F5
CV167*	M7
CV168	F5
CV169	F5
CV170*	P4
CV171*	N5
CV182*	K10
CV184*	K10
CV189*	J8
CV200*	K11
CV201	G1
CV202*	K10
CV206*	J11
CV212*	K10
CV213*	K10
CV214*	J10
CV215*	J10
CV219*	J9
CV222*	K9
CV224*	J9
CV226*	J10
CV240	K3
CV241*	L9
CV242	H3
CV243*	L9
CV244*	L10
CV245*	L10
CV246*	L10
CV247*	L9
CV248*	L10
CV249*	L11
CV250*	L10
CV251*	M10
CV252*	N11
CV254*	L11

CW001	Q3
CW005	Q2
CW007*	B10
CW025	R3
CY001*	L4
CY002*	L4
CY003*	L4
CY004*	M4
CZ005*	R6
CZ010*	R3
CZ013*	S8
CZ014	A4
CZ015	A4
CZ019*	Q4
CZ021*	S8
CZ030	A3
CZ033	A3
CZ034*	S10
CZ035*	R9
CZ036*	S10
CZ055*	S5
CZ056*	S6

DG030*	Q5
DG034*	M4
DG035	J8
DS112	B9
DT001	M3
DT002	P4
DT003	P4
DT005	R5
DT006	S5
DT008	Q4
DT009	Q5
DT010	R5
DT011	R5
DT012	R4
DT013*	B5
DT014	Q4
DT015	R4
DT016	Q6
DT017	R3
DT018	Q4
DV003	F6
DV029*	P9
DV039*	M10
DV044	K3
DV048*	L9
DV082*	P5
DV109	C4
DV110	C5
DV123*	K1
DV126*	P5
DV163	F6
DV182*	L10
DV186*	K8
DV202*	K10
DW001	R1
DW002	S1
DW005	R3
DW006*	B9
DW007	S4
DW008	R1
DW010	Q0
DW011	H1
DW012	R0
DW013	S3
DW014	R2
DZ001*	S11
DZ002*	R4
DZ003*	R4
DZ004*	R4
DZ005*	R3
DZ006	G1

FS103	D11
FS104	D11
FS105	D11
FS106	D11
FU01*	P0
FU02*	A11
FU03*	N9
FU04*	N9
FU05*	D2
FU06*	D3
FU07*	C1
FZ050	A9
FZ051	A7

IS101	C12
IS101*	Q1
IS102	B11
IS102*	R2
IT001*	D3
IT002	M4
IT002*	F8
IT003	K5
IT003*	H7
IT004	G9
IT004*	L3
IT005*	B5
IV001*	M9
IV060*	M7
IV100*	P7
IV120*	L1
IV160	E5
IV160*	M7
IV170*	P4
IV171*	M5
IY001*	L5

JG031	G9
JG036*	L3
JG037*	M3
JG101	N1
JG102	P1
JG103	C8
JG104	C4
JG105	C1
JG106	C1
JG107*	R11
JG108	L1
JG109	L1
JG110	M0
JG112	N1
JG113	N1
JG200	C7
JG201*	P3
JG202*	S7
JG203*	P3
JG204	E9
JG205*	K4
JG206	N8
JG303	N3
JG305	Q2
JG306	Q4
JG307	M6
JG308	N8
JG309	P4
JG310	P4
JG311	P3
JG312	P3
JG313	P3
JN401*	E10
JN403	N2
JN404	L3
JN602	R0
JN603*	B12

JS030	N2
JS031*	G10
JS033	J5
JS034	K1
JS035	K1
JS036*	K5
JS037*	K6
JS038	G6
JS039	N2
JS040	M1
JS043*	G9
JS044	G6
JS050*	K6
JS051*	J6
JS052	J5
JS053*	H10
JS101*	P1
JS102*	R1
JS103*	Q1
JS104	D9
JS107*	R2
JS108*	S2
JS109*	S2
JS110*	G11
JS112*	R0
JS113*	R1
JS115	C9
JS116*	R1
JT001*	A2
JT002	R11
JT003	R11
JT004	R11
JT005	R11
JT006*	B8
JT007	Q10
JT008	Q10
JT009	P11
JT010	H9
JT011	E9
JT013	M10
JT014	N11
JT015	M11
JT016	M11
JT017	L11
JT018*	G9
JT019*	D6
JT020*	D6
JT021	L5
JT023*	H8
JT024	P7
JT025	P7
JT026	P7
JT027	P8
JT028	P8
JT029	N9
JT030	M9
JT031*	D6
JT032	P5
JT033*	C6
JT034	N9
JT035	L3
JT036*	F3
JT037	M8
JT038*	F3
JT039	M9
JT040	M9
JT041	L9
JT042	L9
JT043	L8
JT044	L9
JT045	L9
JT046	L8
JT047	L8
JT048	K9
JT049	K9
JT051*	L3
JT052	N8
JT053	L7
JT054	L7
JT055	K7
JT056*	G8

JT058	K7
JT059	K7
JT060	K7
JT061	J7
JT062	K6
JT063	J7
JT064	K6
JT066*	H6
JT067	L5
JT068	L5
JT069	L5
JT070	L5
JT071	L5
JT072	M6
JT073	M6
JT074	M6
JT075	M6
JT076	M6
JT078	N6
JT079*	D6
JT080*	E1
JT082*	E5
JT083*	E8
JT084*	K0
JT086*	G8
JT087*	G8
JT089*	J3
JT091	R5
JT092*	E5
JT093	P6
JT094	N7
JT096	J9
JT097*	K3
JT099	K6
JT102*	K3
JT105	N4
JT106	N4
JT107	N3
JT108*	E9
JT109	N3
JT110	N3
JT111	N3
JT112*	B6
JT115	Q4
JT116	N4
JT117	P5
JT118	P4
JT119	P5
JT121	N4
JT122*	G3
JT123*	E4
JT124*	K2
JT125	L11
JT126	M11
JT128*	K3
JT129*	L3
JT130*	L3
JT132*	K5
JT134*	M3
JT135	M11
JT136*	G3
JT137	N7
JT138	R7
JT139	R5
JT140	M5
JT141	L4
JT142	L4
JT143	L3
JT144	L3
JT145	L3
JT148*	K0
JT149	G9
JT151	G8
JT152	E8
JT153	P5
JT154	H9
JT155	K9
JT158	N8
JT159	E9
JT160	J8
JT161*	K2

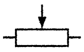
JT163	G9
JT164	H9
JT165	J8
JT166	H9
JT167	G9
JT168	H9
JT169	H9
JT171*	E5
JT174*	K2
JT175*	K3
JT176*	E4
JT177*	K4
JT179*	H5
JT183	G8
JT184	G7
JT186	H9
JT187	J8
JT188	H8
JT189	G12
JT190*	A2
JT191*	B1
JT192*	A1
JT193*	B1
JT194*	C1
JT201	Q8
JT202	Q7
JT203*	B7
JT206*	C4
JT207	P9
JT208	Q9
JT209*	G9
JT210	P7
JT211	R6
JT212*	K4
JT213*	K4
JT214*	K4
JT215*	J4
JT217*	G8
JV001*	L9
JV002	C6
JV003	C2
JV004	C2
JV005	C3
JV006	C3
JV007	C3
JV008	C3
JV009	C3
JV010	C3
JV011	G1
JV012	C4
JV013	D1
JV014	D1
JV015	D1
JV016	D1
JV017	D4
JV018	D4
JV019	D4
JV020	G1
JV021	F1
JV022	J4
JV024	E4
JV025	G4
JV026	G4
JV027	F3
JV028	D7
JV029	D6
JV030	D6
JV031	E6
JV032	F6
JV034	G6
JV035	C1
JV036	C1
JV037*	Q10
JV038	H7
JV039	E9
JV040	D1
JV041	C1
JV042	B1
JV043*	M8
JV044	H3
JV045	H3

JV046	J4
JV047	F2
JV048	G2
JV049	G2
JV051	F1
JV052	F6
JV053	H2
JV054	H7
JV055	H0
JV056*	Q11
JV057	J4
JV058*	Q10
JV060*	H9
JV061*	Q9
JV062*	N3
JV065*	P8
JV066*	K10
JV068*	Q10
JV069*	P8
JV070*	N6
JV071*	N6
JV074*	N4
JV075*	N4
JV076*	P9
JV077*	M5
JV078*	Q10
JV079*	Q9
JV080	J1
JV083	K1
JV085	C4
JV086	F1
JV087	D1
JV089*	N3
JV090*	N5
JV094*	J8
JV095*	Q10
JV096	E8
JV097	F7
JV098	D5
JV099	F8
JV100	C4
JV101*	K9
JV102	J3
JV103	J3
JV104	G11
JV105	E7
JV108	F7
JV109	E11
JV110	F9
JV111	E7
JV112	F9
JV113	F8
JV114	E7
JV115	G11
JV117*	R10
JV118	E8
JV120	D8
JV122	E7
JV123*	P5
JV126*	K1
JV129*	P7
JV130*	P8
JV131*	K9
JV139	F7
JV140*	M8
JV141	H1
JV142	G3
JV143	E9
JV144	F11
JV145*	M2
JV148	F11
JV149	K4
JV150	E7
JV151	F8
JV152	E7
JV153	J3
JV154	G6
JV155*	M2
JV156*	M2
JV158*	P10
JV159*	L9
JV160	G7
JV161	H7
JV162*	H7
JV163	J5
JV165	F6
JV215	H2
JW001	R8

JW002	S9
JW003	J1
JW004	S8
JW005	R7
JW006	R3
JW007	S4
JW008	S5
JW009*	H9
JW010	R9
JW011	R3
JW012	P0
JW013	P0
JW014*	H10
JW015*	B3
JW016	Q9
JW017	R2
JW018	N1
JW019*	D12
JW020	K0
JW025	R1
JW026*	F12
JW027*	A3
JW032	L1
JW034	S3
JW035	R2
JW036	N1
JW040	P1
JW041*	K12
JY002	G8
JY003	H7
JY004	G7
JY006*	K5
JY007*	J5
JY008*	J5
JY009*	K5
JY010*	K5
JY011*	J5
JY012*	L5
JZ001	A2
JZ002	D7
JZ003*	S10
JZ004	C10
JZ005	K8
JZ006	K8
JZ007*	R8
JZ008*	R4
JZ009*	R12
JZ010*	R2
JZ011	C8
JZ012	C8
JZ014*	R10
JZ015*	R5
JZ016	C6
JZ017*	R8
JZ018	A10
JZ019*	R5
JZ020*	P11
JZ021	C9
JZ022*	S8
JZ023*	H4
JZ024*	K3
JZ025*	K3
JZ030*	P11
JZ040*	R5
JZ041*	R9
JZ042*	S9
JZ045*	S7
JZ046	C9
JZ048	B5
JZ049	B6
JZ051	F1
JZ052	C1
JZ053*	Q11
JZ061	B10
JZ062*	Q2
JZ070	B7
JZ071	C9
JZ072*	P3
JZ073*	Q2

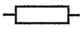
LN430	P2
LN430*	D9
LN640	E11
LN641	Q1
LS030	L2
LS030*	G11

LT001	L11
LT002	Q6
LT004	M9
LV008	F4
LV023*	P3
LV033	E2
LV050	G2
LV052	E1
LV053	E1
LV063	D4
LV078	E6
LV082	E5
LV107	D6
LV123	F12
LV151	E11
LV153	F10
LV155	E10
LV162	F5
LV200	H1
LV214	J2
LV216	J2
LV226	H3
LV243	G3
LV245	G3
LV246	G2
LV247	G3
LV248	G1
LV251	F2
LZ001	A1
LZ002	A1
LZ030	A2
LZ031	A2
LZ050	A9
LZ051	A8
LZ055	A7



PS034	K1
PT001	Q10
PV251	F2

QS101	B11
QS102	B11
QS103	B12
QS104	B11
QT001	N11
QT002	Q10
QT003	Q11
QV028	E3
QV032	D2



RG030*	J4
RG031*	J5
RG032*	M4
RG033*	M4
RG034*	M4
RG035*	M3
RG036*	L3
RG037*	Q11
RG038*	R11
RG101	J1
RG102	J1
RG105*	R7
RG106*	Q7
RG107*	Q5
RG108*	Q5
RG109*	E11
RG111*	J11
RG112*	F11
RN431*	D10
RN436	N1
RN437*	E11
RN439*	D10
RN440*	D10
RN441	N2
RN640*	B12
RN641*	C11
RN642*	C11
RN643*	B11
RN644*	B11
RN645*	B12

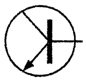
RN646*	B12
RS030*	F10
RS031*	F10
RS035*	H10
RS036*	F11
RS039*	F10
RS040*	F10
RS042*	G10
RS043*	G10
RS044*	H11
RS045	M1
RS050	L2
RS051*	H10
RS101*	Q1
RS102*	R1
RS103*	R1
RS104*	R1
RS105*	Q1
RS106*	R1
RS112*	R2
RS113*	P1
RS114*	P2
RS115*	P1
RS116*	P1
RS119*	R1
RS120*	S3
RS121*	R1
RS122*	Q1
RS127*	Q1
RS128*	Q1
RS130*	Q4
RS901*	R1
RS904*	S2
RS905*	Q2
RS982*	Q1
RS983*	Q1
RT001*	G8
RT002	N4
RT002*	L3
RT003*	E7
RT004	N5
RT005*	E6
RT006*	E6
RT007*	G8
RT008*	H8
RT009*	H8
RT010*	G9
RT011*	G9
RT012*	M0
RT013*	E1
RT014	K6
RT015*	H7
RT016	P8
RT017*	F3
RT018*	F3
RT019*	F9
RT020*	F8
RT021*	G9
RT022*	G8
RT023*	F9
RT024*	F9
RT025*	F10
RT026*	G8
RT027	K8
RT030*	H4
RT031*	J3
RT032*	L2
RT033*	K3
RT034*	C4
RT035*	C5
RT036*	D8
RT037*	D8
RT038*	D7
RT039*	D8
RT040	N8
RT041*	D5
RT042*	D4
RT043*	D5
RT044*	D5
RT045*	D5
RT046*	C4
RT047*	C4
RT048*	C4
RT049*	C3
RT050*	H4
RT051*	H4
RT052*	B4
RT053	P11

RT055	S5
RT058*	E11
RT059*	E11
RT063*	L2
RT064*	L2
RT065*	K3
RT067*	G1
RT068*	F1
RT069*	D1
RT071*	B4
RT072*	B6
RT073*	B6
RT074*	B6
RT075*	C5
RT081*	C5
RT082*	L3
RT083*	G0
RT084*	C1
RT085*	C1
RT086*	G0
RT088*	B7
RT089	Q5
RT090	R9
RT091*	D5
RV001*	L9
RV002*	M9
RV003*	L8
RV004*	K8
RV005*	M8
RV006*	M8
RV007*	M8
RV008*	L8
RV010*	M6
RV011*	M8
RV020*	H8
RV021*	P9
RV022*	P9
RV023*	N9
RV024*	N5
RV025*	P9
RV026	C5
RV027*	P9
RV028*	N10
RV029*	P10
RV030*	P10
RV032*	P10
RV035*	R9
RV036*	N10
RV041*	N10
RV044*	M9
RV045*	M9
RV046*	M9
RV047*	L10
RV048*	Q10
RV049*	M9
RV050*	L10
RV051*	N11
RV052*	M12
RV053*	K11
RV054*	N11
RV055*	N12
RV056*	N11
RV067	E4
RV070*	P8
RV071*	P8
RV072*	N8
RV073*	P6
RV074*	N6
RV075*	P6
RV076*	N7
RV077*	N7
RV104*	P9
RV105*	P6
RV106*	P6
RV109*	P6
RV110*	P6
RV111*	L4
RV112*	P6
RV120*	M1
RV121*	L1
RV122*	L1
RV123*	K1
RV124*	K1
RV125*	K2
RV126*	P6
RV127*	P5
RV128*	K1
RV129*	K2

RV130*	L2
RV131*	K1
RV135	G11
RV137*	N2
RV138*	M2
RV139*	M3
RV140*	N2
RV141*	N2
RV142*	M2
RV143*	M2
RV144	G10
RV145*	M3
RV146*	N2
RV147*	M2
RV148*	M3
RV150*	M1
RV151*	M1
RV154*	N1
RV160*	M7
RV161*	M6
RV163*	M7
RV164*	L4
RV165*	L4
RV166*	M7
RV167*	M7
RV168*	M7
RV169*	Q4
RV170*	J9
RV171*	H9
RV181*	L10
RV182*	K9
RV183*	J9
RV184*	K9
RV185*	K9
RV186*	J8
RV187*	K8
RV188*	K9
RV189*	J8
RV190*	J8
RV191*	K9
RV192*	K9
RV194*	J8
RV200*	L10
RV201*	K11
RV202*	K10
RV203*	K10
RV204*	K11
RV206*	K11
RV213*	J10
RV214*	J10
RV215*	J10
RV221*	J9
RV222*	J9
RV223*	J9
RV224*	J9
RV225*	J9
RV227*	J10
RV241*	L9
RV242*	K9
RV243*	L9
RV244*	L9
RV245*	L10
RV247*	L9
RV248*	L10
RV249*	L11
RV250*	L10
RV251*	L10
RV252*	M11
RV253*	M10
RV254*	M10
RV255*	M11
RV256*	M11
RV257*	M10
RV285*	K10
RW001*	D9
RW002*	C9
RW005*	A4
RW006	S10
RW008	R2
RW009	R2
RW012	P1
RW017*	A5
RW019*	C10
RW020*	B10
RW021	M0
RW024*	B9
RW025*	B9
RW029	Q3

RW030	Q1
RW031	Q0
RW032*	B4
RW033*	C9
RY001*	L4
RY002*	L4
RY003*	L4
RY004*	L4
RY006*	L4
RY007*	L4
RY009*	L4
RY010*	L5
RY011*	M5
RZ002*	P11
RZ003*	P11
RZ005*	R4
RZ007*	H4
RZ008*	H4
RZ010*	R3
RZ015	A4
RZ019*	R5
RZ020*	S6
RZ030*	R10
RZ031*	R10
RZ033*	S10
RZ034*	R10
RZ035*	R10
RZ036*	R10
RZ037*	S11
RZ050*	S3
RZ051*	S3
RZ052*	S5
RZ053*	S5
RZ054*	R3
RZ055*	S10
RZ056*	S5
RZ057*	S6
RZ059*	R4
RZ060*	R11
RZ065	G1
RZ066	G1

ST001	E12
ST001*	N0

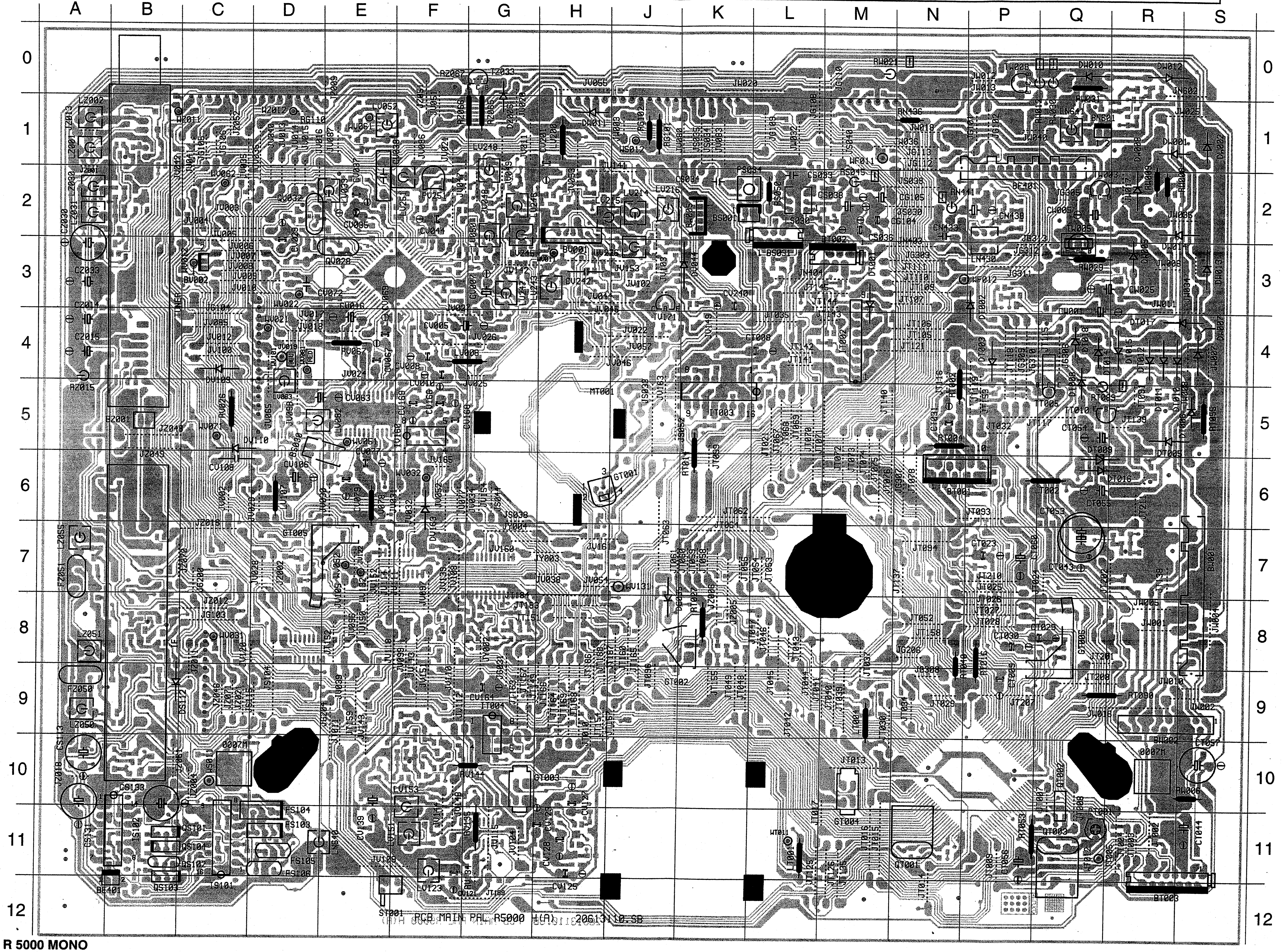


GT001	J6
GT001*	J6
GT002	J9
GT002*	J4
GT003	H10
GT003*	L2
GT004*	F2
GT005	D7
GT005*	P4
GT006	Q8
GT006*	C5
TG029*	M5
TG030*	M4
TG031*	J5
TN438*	D10
TN439*	E10
TN640*	C12
TN641*	B12
TS030*	F10
TS039*	G11
TS101*	Q3
TS119*	H11
TT001*	F9
TT002*	F8
TT003*	J3
TT004*	D5
TT005	P5
TT005*	C7
TT006*	D8
TT010	Q5
TT010*	C7
TT011*	B7
TT012*	B7
TT013*	F1
TV002*	L8
TV003*	M8

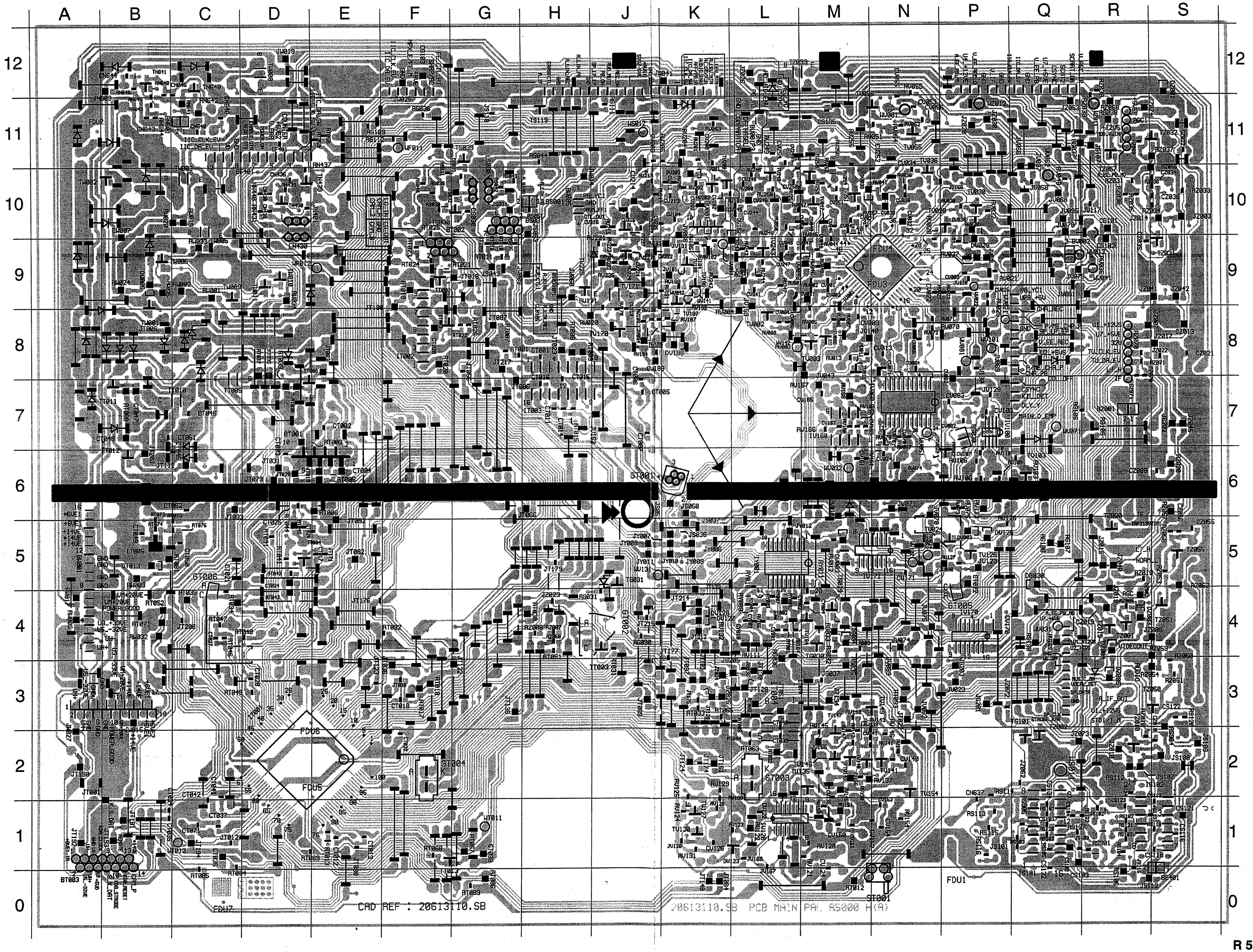
TV006*	M8
TV011*	M8
TV024*	N5
TV028*	N10
TV030*	P10
TV036*	N11
TV047*	M10
TV055*	N11
TV103*	Q6
TV126*	P5
TV127*	K1
TV130*	K1
TV135*	M2
TV140*	M2
TV141*	N2
TV143*	M2
TV145*	M2
TV147*	M3
TV149*	N3
TV154*	N2
TV164*	M4
TV170*	J8
TV171	J3
TV171*	J9
TV186*	K9
TV187*	K8
TV188*	K9
TV200*	K11
TV201*	K11
TV223*	J9
TV225*	H9
TV227*	J10
TV243*	L9
TV248*	L10
TV250*	M11
TV251*	M10
TW001*	B8
TW002*	A10
TW003	Q1
TW003*	C10
TW005	Q2
TW005*	C9
TW006*	B9
TW008	P0
TW008*	D12
TW009*	C9
TZ001*	R4
TZ002*	Q3
TZ010*	R2
TZ019*	R4
TZ020*	R6
TZ031*	S9
TZ032*	R11
TZ033	G0
TZ033*	L12
TZ050*	R3
TZ051*	S4
TZ055*	S5
TZ057*	R10

WF011*	F11
WF012*	E9
WF012	P3
WS011	C10
WS011*	Q2
WS012	J1
WS012*	J11
WT011*	G1
WT012	Q11
WT012*	C1
WV011	G3
WV011*	K9
WV012	C3
WV012*	R9
WV021	D4
WV021*	P9
WV022	D3
WV022*	P9
WV031	C8
WV031*	Q4
WV032	F6
WV032*	M6
WV052*	N5
WV131*	J5
WV141*	K9
WV142*	L8

Main P.C.B. components side • Circuit imprimé de la platine principale côté composants • Hauptleiterplatte Bestückungsseite
Piastra principale lato componenti • Platina principal lado componentes (2. Version)

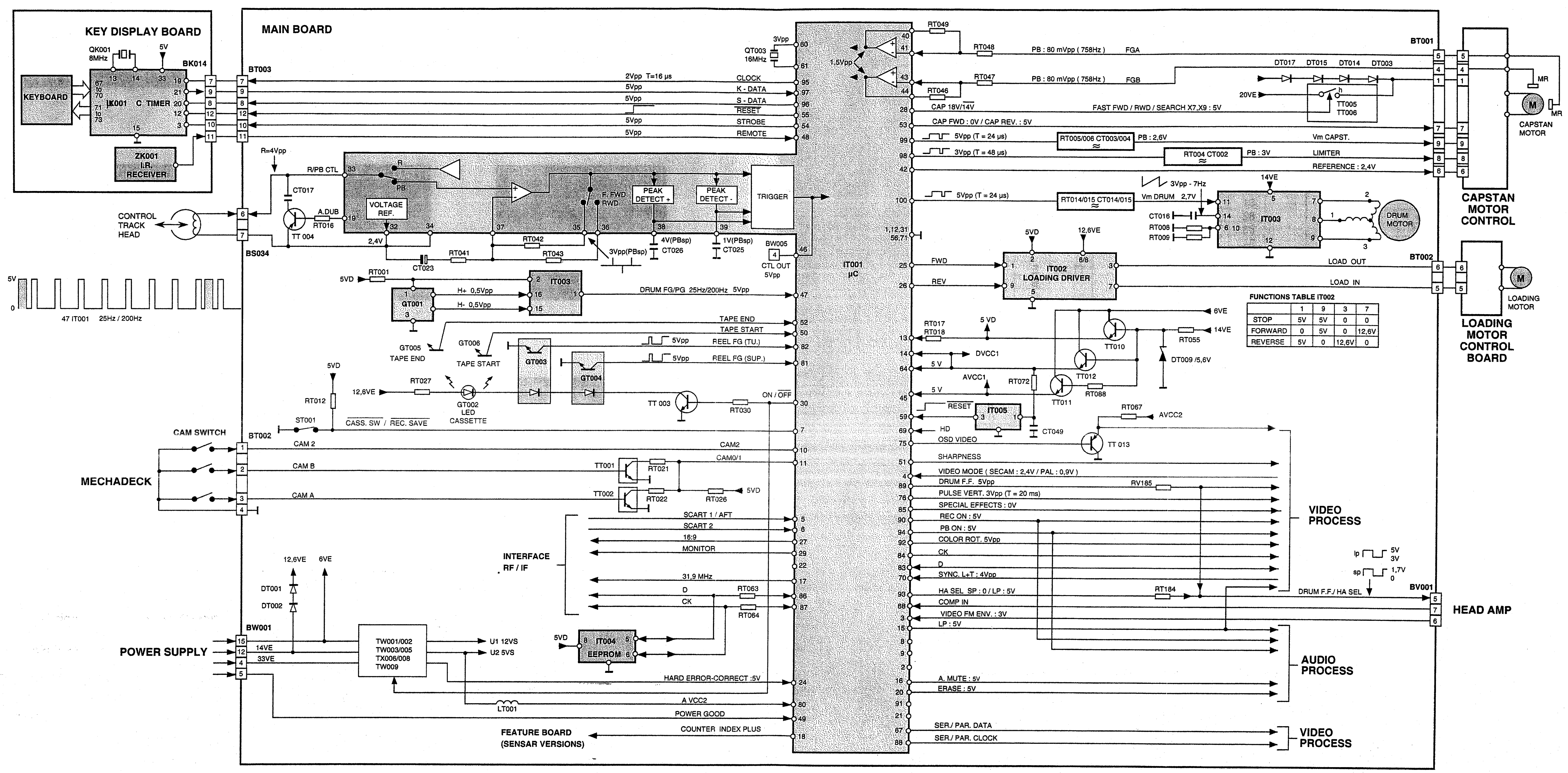

A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
0
1
2
3
4
5
6
7
8
9
10
11
12
PCB MAIN PAL R5000 1(A) 20613110.SB

Main P.C.B. Solder side • Circuit imprimé de la platine principale côté cuivre • Hauptleiterplatte Lötseite Piastra principale lato saldature • Platina principal lado del cobre (2. Version)


A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
12
11
10
9
8
7
6
5
4
3
2
1
0
FDU6
FDU5
FDU4
FDU3
FDU2
FDU1
FDU7
GT001
GT002
GT003
GT004
GT005
GT006
ST001
CAD REF : 20613110.SB
20613110.SB PCB MAIN PAL R5000 H(A)

MECHA DECK CONTROL / SERVO CONTROL - GESTION / ASSERVISSEMENTS - MECHANIKSTEUERUNG / SERVO - CONTROLLO MECCANISMO / ASSERVIMENTI - SERVOMECANISMO / GESTIÓN

BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES



KEY DISPLAY BOARD
KEYBOARD
QK001 8MHz
IK001 C TIMER
ZK001 I.R. RECEIVER
BK014
MAIN BOARD
BT003
QT003 16MHz
3Vpp
2Vpp T=16 µs
CLOCK
K - DATA
S - DATA
RESET
STROBE
REMOTE
R=4Vpp
R/PB CTL
CT017
A.DUB
RT016
TT 004
VOLTAGE REF.
F. FWD
RWD
PEAK DETECT +
PEAK DETECT -
TRIGGER
4V(PBsp)
1V(PBsp)
CT026
CT025
3Vpp(PBsp)
RT041
RT042
RT043
CT023
BW005
CTL OUT 5Vpp
CONTROL TRACK HEAD
BS034
47 IT001 25Hz / 200Hz
RT001
5VD
IT003
GT001
H+ 0,5Vpp
H- 0,5Vpp
DRUM FG/PG 25Hz/200Hz 5Vpp
TAPE END
TAPE START
REEL FG (TU.)
REEL FG (SUP.)
GT005 TAPE END
GT006 TAPE START
GT003
GT004
RT027
12,6VE
GT002 LED CASSETTE
RT012
ST001
CASS. SW / REC. SAVE
TT 003
RT030
ON / OFF
CAM SWITCH
BT002
MECHADECK
CAM 2
CAM B
CAM A
CAM2
CAM0/1
TT001
TT002
RT021
RT022
RT026
INTERFACE RF / IF
SCART 1 / AFT
SCART 2
16:9
MONITOR
31,9 MHz
D
CK
RT063
RT064
IT004 EEPROM
DT001
DT002
12,6VE
6VE
BW001
POWER SUPPLY
14VE
33VE
TW001/002 TW003/005 TX006/008 TW009
U1 12VS
U2 5VS
HARD ERROR-CORRECT :5V
A VCC2
LT001
POWER GOOD
COUNTER INDEX PLUS
FEATURE BOARD (SENSAR VERSIONS)
IT001 µC
1,5Vpp
RT049
RT048
RT047
RT046
PB : 80 mVpp (758Hz) FGA
PB : 80 mVpp (758Hz) FGB
CAP 18V/14V
FAST FWD / RWD / SEARCH X7,X9 : 5V
CAP FWD : 0V / CAP REV. : 5V
5Vpp (T = 24 µs)
3Vpp (T = 48 µs)
RT005/006 CT003/004
PB : 2,6V
RT004 CT002
PB : 3V
Vm CAPST.
LIMITER
REFERENCE : 2,4V
DT017 DT015 DT014 DT003
20VE
TT005 TT006
BT001
MR
CAPSTAN MOTOR
CAPSTAN MOTOR CONTROL
3Vpp - 7Hz
14VE
RT014/015 CT014/015
Vm DRUM 2,7V
CT016
RT008
RT009
IT003
DRUM MOTOR
5VD
12,6VE
FWD
REV
IT002 LOADING DRIVER
LOAD OUT
LOAD IN
BT002
LOADING MOTOR
LOADING MOTOR CONTROL BOARD
RT017
RT018
6VE
14VE
RT055
TT010
DVCC1
DT009 /5,6V
AVCC1
RT072
TT012
TT011
RT068
RESET
IT005
CT049
RT067
AVCC2
HD
OSD VIDEO
TT 013
SHARPNESS
VIDEO MODE (SECAM : 2,4V / PAL : 0,9V)
DRUM F.F. 5Vpp
RV185
PULSE VERT. 3Vpp (T = 20 ms)
SPECIAL EFFECTS : 0V
REC ON : 5V
PB ON : 5V
COLOR ROT. 5Vpp
CK
D
SYNC. L+T : 4Vpp
HA SEL SP : 0 / LP : 5V
RT184
COMP IN
VIDEO FM ENV. : 3V
LP : 5V
VIDEO PROCESS
lp 5V 3V
sp 1,7V 0
DRUM F.F./ HA SEL
BV001
HEAD AMP
AUDIO PROCESS
A. MUTE : 5V
ERASE : 5V
SER./ PAR. DATA
SER./ PAR. CLOCK
VIDEO PROCESS

FUNCTIONS TABLE IT002

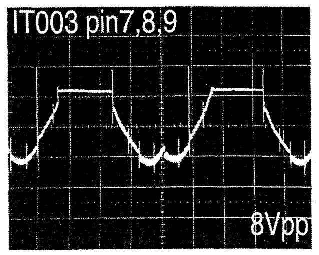
	1	9	3	7
STOP	5V	5V	0	0
FORWARD	0	5V	0	12,6V
REVERSE	5V	0	12,6V	0

MEASUREMENTS MECHA DECK CONTROL / SERVO CONTROL - MESURES GESTION / ASSERVISSEMENTS - MESSUNGEN MECHANIKSTEUERUNG / SERVO - MISURE CONTROLLO MECCANISMO / ASSERVIMENTI - MEDIDAS SERVOMECANISMO / GESTIÓN

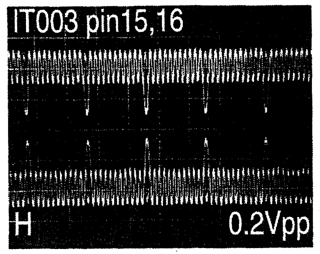
SERVO		MODE	
LOC	PIN	PLAY	REC.
IT001	1	0	0
	2	0.4	2.3
	3	2,1	0
	4	3.4	0
	5	1.9	0
	6	0	0
	7	0	4.9
	8	0	3.7
	9	0.1	3.7
	10	0	0
	11	2	2
	12	0	0
	13	4.9	4.9
	14	4.8	4.8
	15	0	2.1
	16	0	0
	17	0	0
	18	0	0
	19	4.8	0
	20	0	0
	21	4.4	0
	22	5.1	0
	23	4.8	0
	24	4.9	4.9
	25	4.8	4.8
	26	4.8	4.8
	27	0	0
	28	0	0
	29	4.7	0
	30	4.6	0
	31	0	0
	32	2.4	2.4
	33	2.4	2.8
	34	2.4	2.4
	35	2.4	2.4
	36	2.4	2.4
	37	2.4	2.4
	38	3.8	2.4
	39	0.9	2.2
	40	2.4	2.4
	41	2.4	2.4
	42	2.4	2.4
	43	2.4	2.4
	44	0	2.4
	45	4.8	4.8
	46	4.8	4.8
	47	1.2	1.2
	48	4.9	4.9
	49	5	0
	50	4.9	4.8
	51	1.8	1.6
	52	4.9	5
	53	0	0
	54	4	2.1
	55	4.8	4.8
	56	0	0
	57	2.1	3.3
	58	2.5	2.5
	59	4.8	4.8
	60	2.3	2.3
	61	2	2
	62	4.8	4.8
	63	2.2	0.5
	64	4.8	4.8

SERVO		MODE	
LOC	PIN	PLAY	REC.
	65	0	0
	66	0	0
	67	0	0
	68	4.7	0
	69	4.7	4.7
	70	0.7	0.7
	71	0	0
	72	0	0
	73	0.8	0
	74	0	0
	75	1.3	1.3
	76	1.8	1.8
	77	1.5	0.2
	78	2.2	2.2
	79	2.2	2.2
	80	5.1	5.1
	81	-	-
	82	-	-
	83	4.9	4.9
	84	4.9	4.9
	85	4.8	4.8
	86	4.5	4.5
	87	4.6	4.6
	88	4.8	4.8
	89	2.3	2.3
	90	0	4.8
	91	2.4	2.4
	92	2.4	2.4
	93	4.7	0
	94	4.7	0
	95	4.3	4.3
	96	2.6	2.6
	97	4.3	4.3
	98	1.5	1.5
	99	2.5	2.5
	100	2.7	2.7
IT002	1	4.6	4.6
	2	4.9	4.9
	3	0.5	0.5
	4	-	-
	5	0	0
	6	12.4	12.4
	7	0.5	0.5
	8	12.4	12.4
	9	4.6	4.6
IT003	1	1.3	1.3
	2	1.4	1.4
	3	0	0
	4	0	0
	5	13.1	13.1
	6	0	0
	7	10	10
	8	10	10
	9	10	10
	10	0	0
	11	2.7	2.7
	12	0	0
	13	5	5
	14	3.2	3.2
	15	0.6	0.6
	16	0.8	0.8

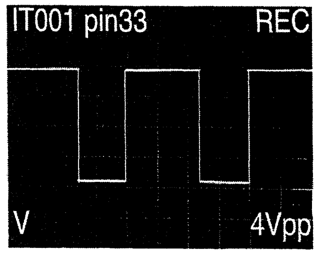
SERVO		MODE	
LOC	PIN	PLAY	REC.
IT004	1	0	0
	2	0	0
	3	0	0
	4	0	0
	5	4.5	4.5
	6	4.7	4.7
	7	0	0
	8	4.9	4.9
IT005	1	4.8	4.8
	2	0	0
	3	4.8	4.8
TT001	E	0	0
	B	4.5	4.5
	C	0	0
TT002	E	0	0
	B	4.5	4.5
	C	0	0
TT003	E	0	0
	B	0.7	0.7
	C	0	0
TT004	E	2.3	2.3
	B	4.8	4.8
	C	0	0
TT005	E	23.3	23.3
	B	22.7	22.7
	C	10.7	10.7
TT006	E	0	0
	B	0	0
	C	22	22
TT010	E	4.9	4.9
	B	5.6	5.6
	C	5.8	5.8
TT011	E	4.8	4.8
	B	5.5	5.5
	C	5.7	5.7
TT012	E	4.8	4.8
	B	5.6	5.6
	C	5.7	5.7
TT013	E	2	2
	B	1.3	1.3
	C	0	0



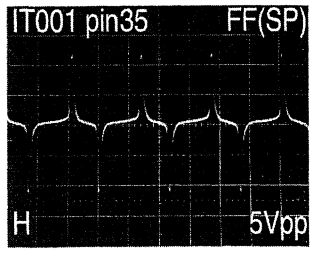
①



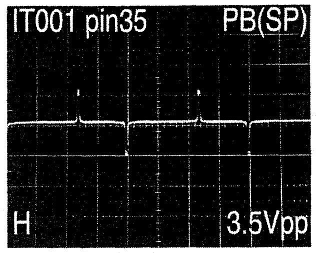
②



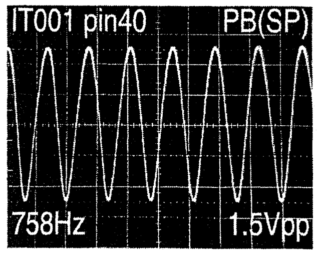
③



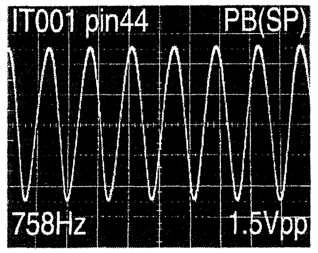
④



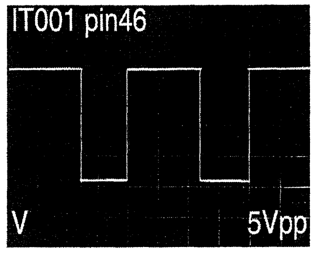
④



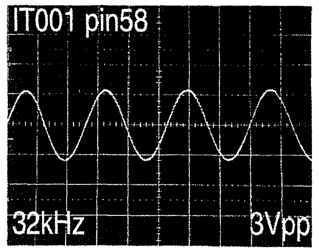
⑤



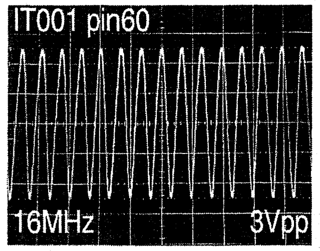
⑥



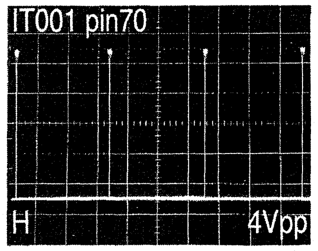
⑦



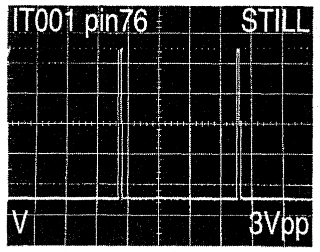
⑧



⑨



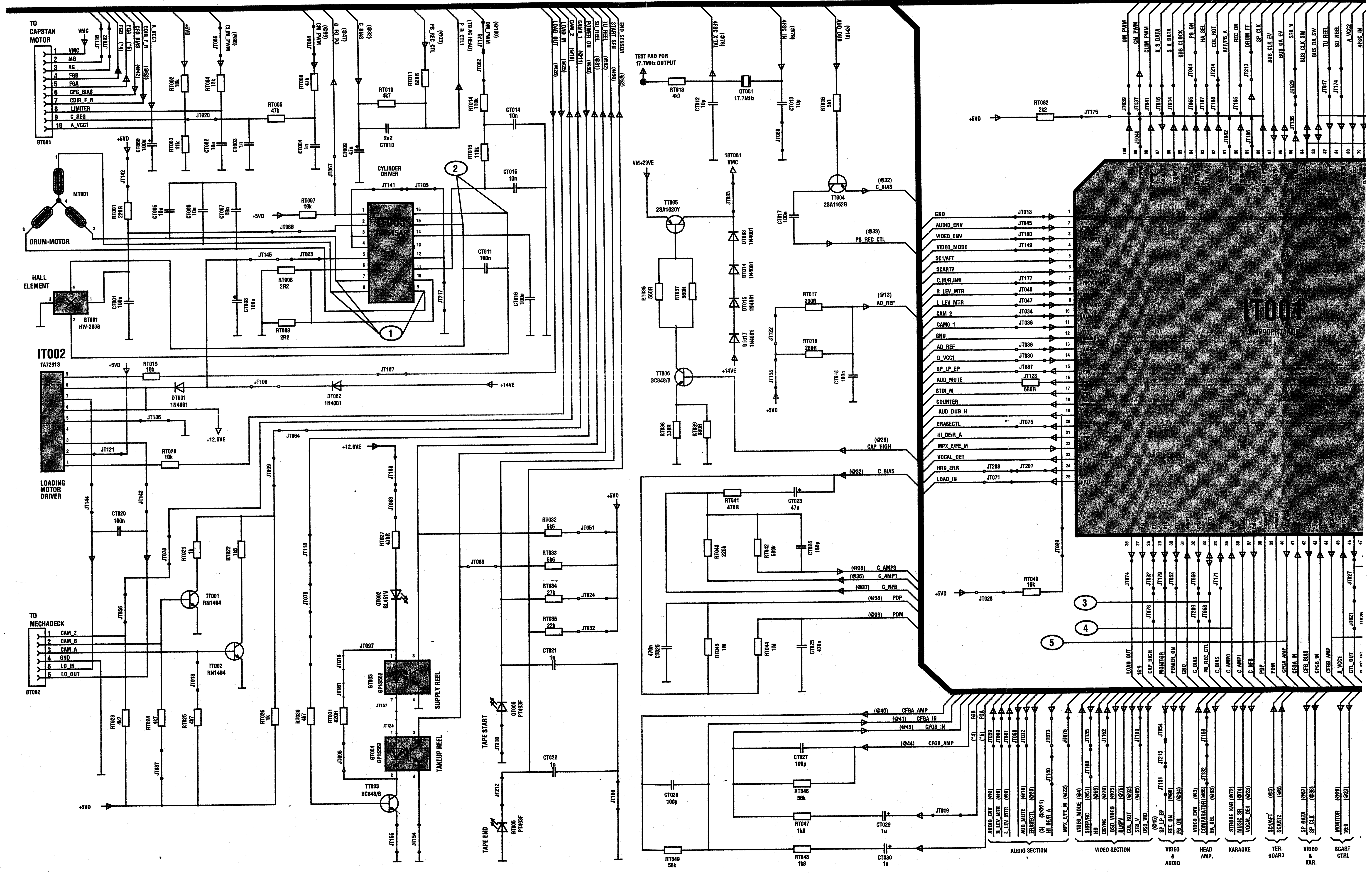
⑩

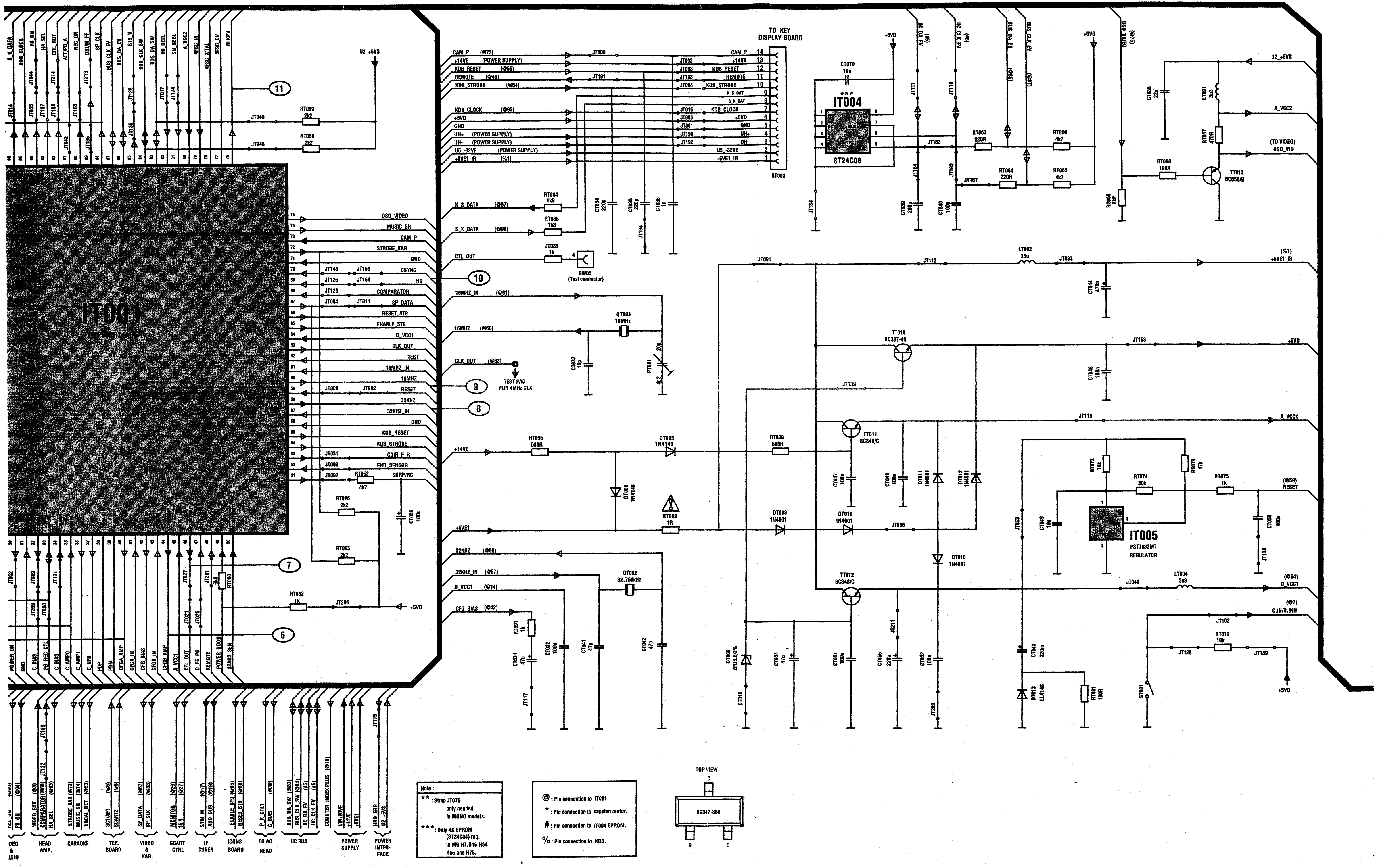


⑪

MECHA DECK CONTROL / SERVO CONTROL - GESTION / ASSERVISSEMENTS - MECHANIKSTEUERUNG / SERVO - CONTROLLO MECCANISMO / ASSERVIMENTI - SER

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA


TO CAPSTAN MOTOR
VMC
VMC
MG
AG
FGB
FGA
CFG_BIAS
CDIR_F_R
LIMITER
C_REG
A_VCC1
BT001
MT001
DRUM-MOTOR
HALL ELEMENT
GT001 HW-300B
IT002
TA7291S
LOADING MOTOR DRIVER
CYLINDER DRIVER
IT003
TB6515AP
TEST PAD FOR 17.7MHz OUTPUT
QT001 17.7MHz
4FSC_XTAL
4FSC_IN
AUD_DUB
VM+20VE
TT005 2SA1020Y
TT004 2SA1162G
TT006 BC848/B
+14VE
+12.6VE
+5VD
TO MECHADECK
CAM_2
CAM_B
CAM_A
GND
LO_IN
LO_OUT
BT002
TT001 RN1404
TT002 RN1404
TT003 BC848/B
GT002 GL451V
GT003 GP1S562
SUPPLY REEL
GT004 GP1S562
TAKEUP REEL
GT006 PT493F
TAPE START
GT005 PT493F
TAPE END
IT001
TMP90PR74ADF
GND
AUDIO_ENV
VIDEO_ENV
VIDEO_MODE
SC1/AFT
SCART2
C.IN/R.INH
R_LEV_MTR
L_LEV_MTR
CAM_2
CAMO_1
GND
AD_REF
D_VCC1
SP_LP_EP
AUD_MUTE
STDI_M
COUNTER
AUD_DUB_H
ERASECTL
HI_DE/R_A
MPX_E/FE_M
VOCAL_DET
HRD_ERR
LOAD_IN
C_BIAS
PB_REC_CTL
CAP_HIGH
C_AMP0
C_AMP1
C_NFB
PDP
PDM
CFGA_AMP
CFGA_IN
CFGB_IN
CFGB_AMP
DM_PWM
CM_PWM
K_S_DATA
S_K_DATA
KDB_CLOCK
PB_ON
HA_SEL
COL_ROT
AFF/PB_A
REC_ON
DRUM_FF
SP_CLK
BUS_CLK_EV
BUS_DA_EV
STB_V
BUS_CLK_SW
BUS_DA_SW
TU_REEL
SU_REEL
A_VCC2
4FSC_IN
LOAD_OUT
16:9
MONITOR
POWER_ON
AUDIO SECTION
VIDEO SECTION
VIDEO & AUDIO
HEAD AMP.
KARAOKE
TER. BOARD
VIDEO & KAR.
SCART CTRL
①
②
③
④
⑤

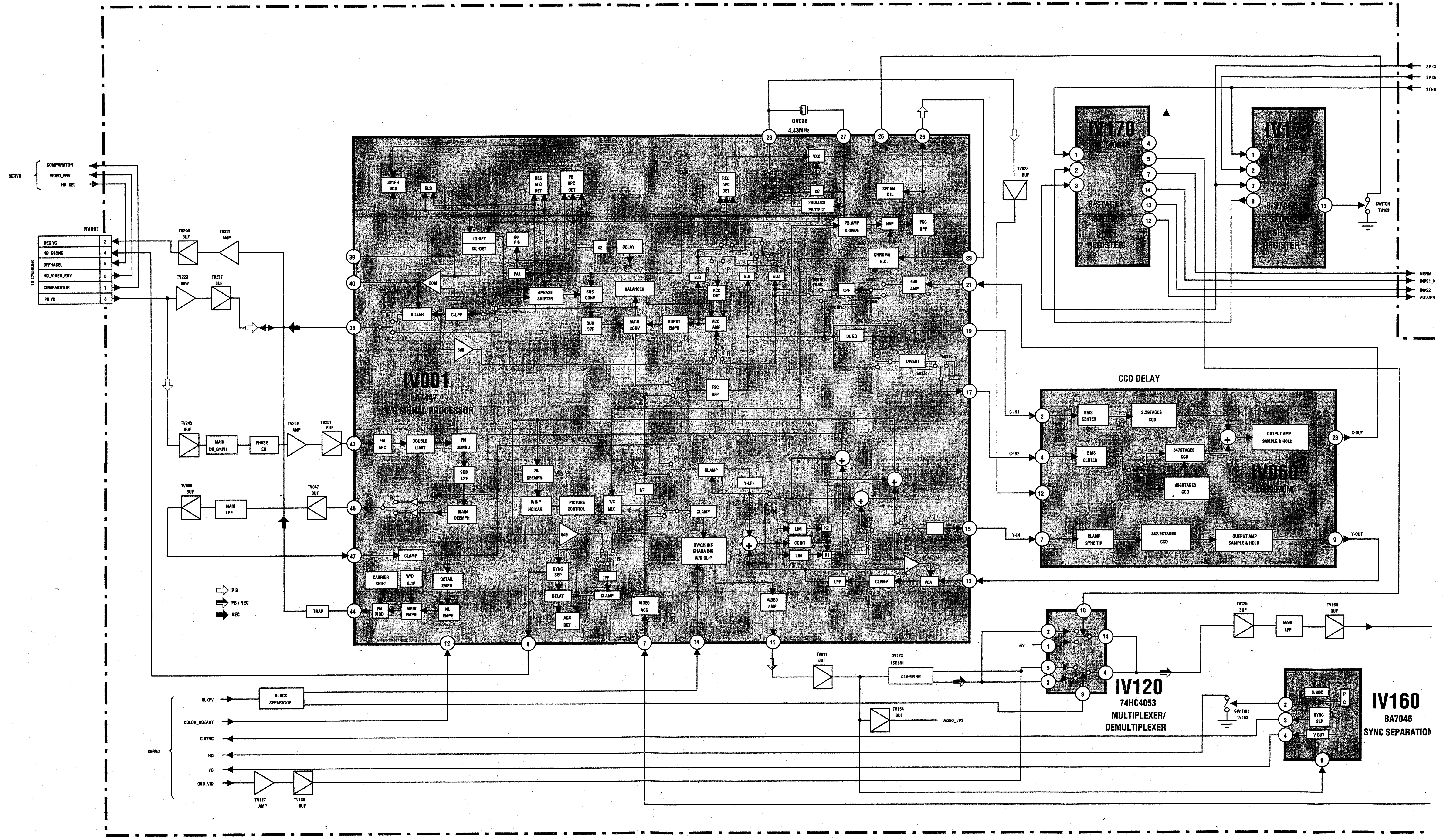

IT001
TMP90PR74ADF
IT004
ST24C08
IT005
PST7032MT
REGULATOR
TO KEY DISPLAY BOARD
BT003
BW05 (Test connector)
TEST PAD FOR 4MHz CLK
QT003 16MHz
QT002 32.768kHz
TT010 BC337-40
TT011 BC848/C
TT012 BC848/C
TT013 BC858/B
TOP VIEW
BC847-858
B
C
E
U2_+5VS
+5VD
A_VCC2
A_VCC1
(TO VIDEO) OSD_VID
+6VE1_IR
D_VCC1
C.IN/R.INH
RESET
HEAD AMP.
KARAOKE
TER. BOARD
VIDEO & KAR.
SCART CTRL
IF TUNER
ICONS BOARD
TO AC HEAD
IIC BUS
POWER SUPPLY
POWER INTER-FACE

Note :
** : Strap JT075 only needed in MONO models.
*** : Only 4K EPROM (ST24C04) req. in MB H7,H15,H64 H65 and H75.

@ : Pin connection to IT001
* : Pin connection to capstan motor.
# : Pin connection to IT004 EPROM.
% : Pin connection to KDB.

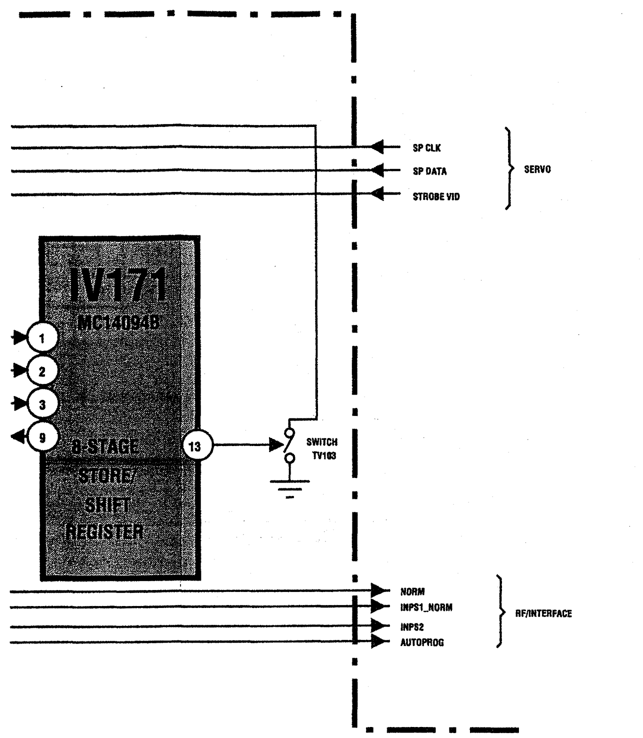
VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

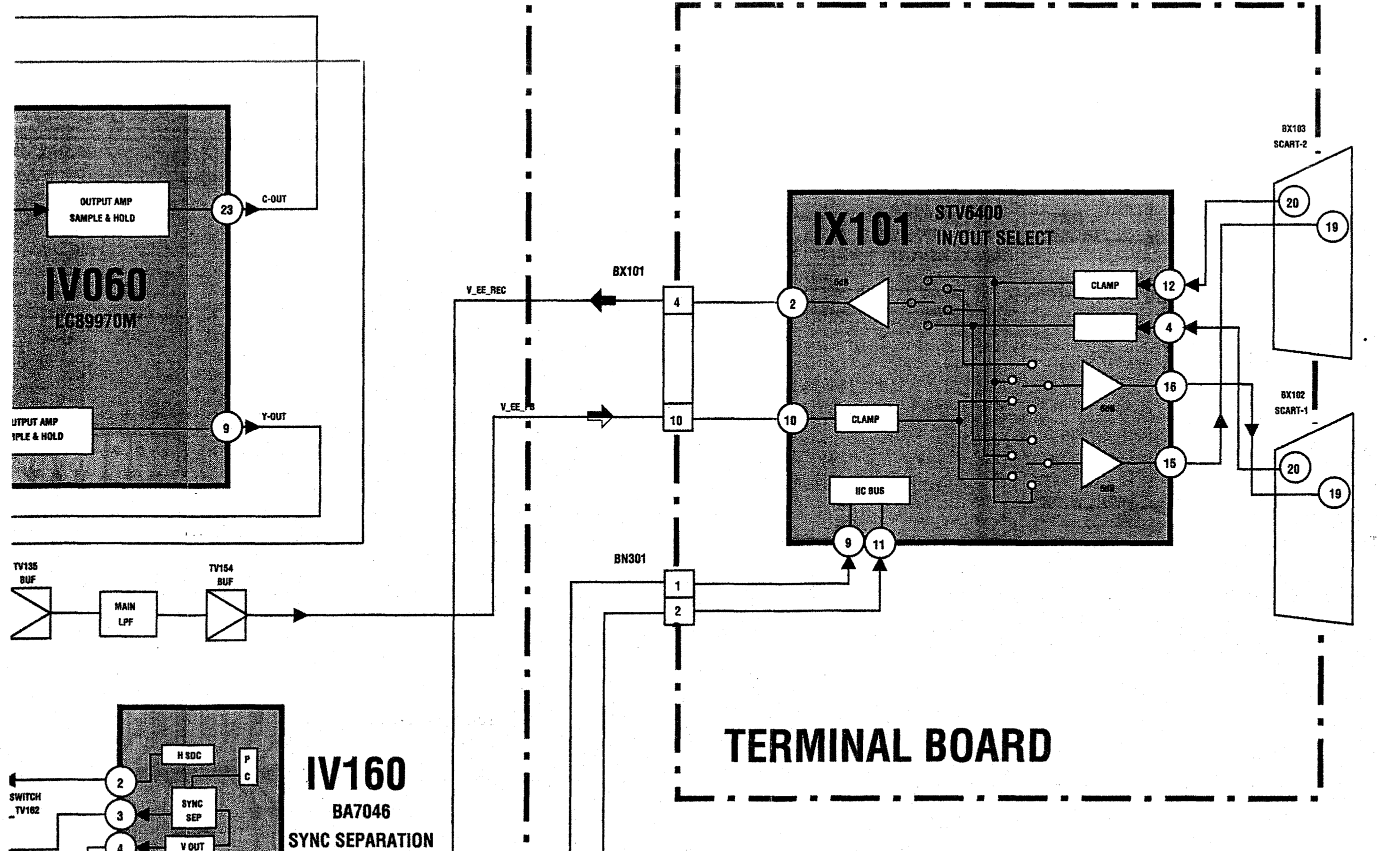
BLOCK DIAGRAM VIDEO SIGNAL PROCESSING - SCHEMA SYNOPTIQUE TRAITEMENT VIDEO - BLOCKSCHALTBILD VIDEO SIGNALVERARBEITUNG - SCHEMA A BLOCCHI ELABORAZIONE VIDEO - ESQUEMA DE BLOQUES TRATAMIENTO VIDEO

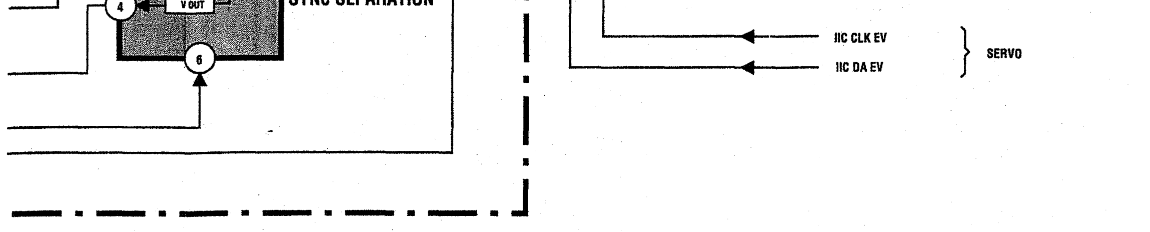

SERVO
COMPARATOR
VIDEO_ENV
HA_SEL
BV001
TO CYLINDER
REC YC
HD_CSYNC
DFFHASEL
HD_VIDEO_ENV
COMPARATOR
PB YC
TV200 BUF
TV201 AMP
TV223 AMP
TV227 BUF
TV243 BUF
MAIN DE_EMPH
PHASE EQ
TV250 AMP
TV251 BUF
TV055 BUF
MAIN LPF
TV047 BUF
TRAP
PB
PB / REC
REC
IV001
LA7447
Y/C SIGNAL PROCESSOR
321FH VCO
SLD
REC AFC DET
PB APC DET
ID-DET
KIL-DET
90 P S
PAL
4PHASE SHIFTER
SUB CONV
SUB BPF
BALANCER
MAIN CONV
BURST EMPH
X2
DELAY
COM
KILLER
C-LPF
6dB
FM AGC
DOUBLE LIMIT
FM DEMOD
SUB LPF
MAIN DEEMPH
NL DEEMPH
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
1/2
CLAMP
Y-LPF
LIM
CORR
K1
K2
DOC
QV/QH INS CHARA INS W/D CLIP
CARRIER SHIFT
W/D CLIP
DETAIL EMPH
FM MOD
MAIN EMPH
NL EMPH
SYNC SEP
DELAY
AGC DET
LPF
VIDEO AGC
VIDEO AMP
VCA
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
PB.AMP B.DEEM
NAP
FSC BPF
CHROMA N.C.
6dB AMP
ACC DET
ACC AMP
B.G
DL EQ
INVERT
QV028
4.43MHz
TV028 BUF
IV170
MC14094B
8-STAGE STORE/ SHIFT REGISTER
IV171
MC14094B
8-STAGE STORE/ SHIFT REGISTER
SWITCH TV183
SP CL
SP DA
STRO
NORM
INPS1
INPS2
AUTOPR
CCD DELAY
IV060
LC89970M
C-IN1
C-IN2
Y-IN
BIAS CENTER
2.5STAGES CCD
847STAGES CCD
858STAGES CCD
OUTPUT AMP SAMPLE & HOLD
CLAMP SYNC TIP
842.5STAGES CCD
C-OUT
Y-OUT
TV011 BUF
DV123 1SS181
CLAMPING
TV154 BUF
VIDEO_VPS
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
+5V
TV135 BUF
MAIN LPF
TV184 BUF
SWITCH TV182
IV160
BA7046
SYNC SEPARATION
H SDC
SYNC SEP
V OUT
BLKPV
COLOR_ROTARY
C SYNC
HD
VD
OSD_VID
BLOCK SEPARATOR
TV127 AMP
TV128 BUF

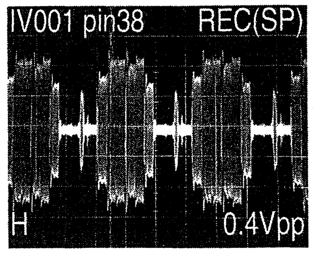
NTO VIDEO

MEASUREMENTS VIDEO SIGNAL PROCESSING - MESURES TRAITEMENT VIDEO - MESSUNGEN VIDEO SIGNALVERARBEITUNG MISURE ELABORAZIONE VIDEO - MEDIDAS TRATAMIENTO VIDEO

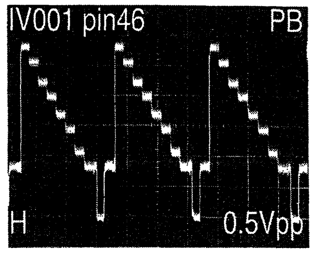

SP CLK
SP DATA
STROBE VID
SERVO
IV171
MC14094B
1
2
3
9
8-STAGE STORE/ SHIFT REGISTER
13
SWITCH TV103
NORM
INPS1_NORM
INPS2
AUTOPROG
RF/INTERFACE


OUTPUT AMP SAMPLE & HOLD
23
C-OUT
IV060
LC89970M
OUTPUT AMP SAMPLE & HOLD
9
Y-OUT
TV135 BUF
MAIN LPF
TV154 BUF
V_EE_REC
V_EE_PB
BX101
4
10
BN301
1
2
IX101
STV6400
IN/OUT SELECT
2
10
CLAMP
CLAMP
IIC BUS
9
11
12
4
16
15
BX103 SCART-2
20
19
BX102 SCART-1
20
19
TERMINAL BOARD
IV160
BA7046
SYNC SEPARATION
H SDC
P C
SYNC SEP
V OUT
2
3
4
6
SWITCH TV162

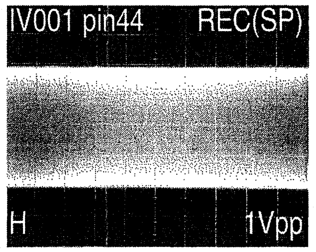

IIC CLK EV
IIC DA EV
SERVO



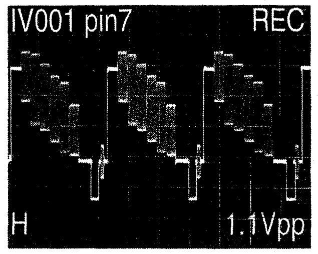
①



③



②



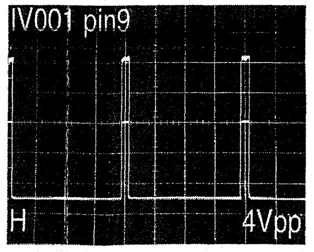
④

VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
DV123	1	3.1	3.1	3.1
	2	2.6	2.6	2.6
	3	2.6	2.6	2.6
IV001	1	2.3	4.5	2.3
	2	3.1	3.1	3.1
	3	2.5	2.5	2.5
	4	1.5	2	1.5
	5	2.4	2.4	2.4
	6	2.8	2.8	4.2
	7	3	3	3
	8	5	5	5
	9	0.5	0.5	0.5
	10	3.1	3.1	3.1
	11	2	2.1	2
	12	2.4	2.4	2.4
	13	2.2	2.2	2.2
	14	0.2	0.2	0.2
	15	1.2	1.2	1.2
	16	2.3	2.2	2.3
	17	2.5	2.5	2.5
	18	0	0	0
	19	2.6	2.6	2.6
	20	0	0	0
	21	2.5	2.5	2.5
	22	0	0	0
	23	1.9	1.9	1.9
	24	0	0	0
	25	0	2.5	0
	26	0.2	0.2	0.2
	27	4	4	4
	28	2.8	2.8	2.8
	29	2.1	2.1	2.1
	30	0	0	0
	31	0	0	0
	32	0	0	0
	33	5	5	5
	34	0.6	0.6	0.6
	35	0	0.3	0
	36	2.9	2.9	2.9
	37	2.9	2.9	2.9
	38	2.3	3.2	2.3
	39	3	3	3
	40	3.7	3.7	3.7
	41	1.5	2	1.6
	42	0	0	0
	43	2.3	3.2	2.3
	44	3	3.6	3
	45	4.2	4.2	4.2
	46	2.3	3.2	2.3
	47	3	3.2	3
	48	2.3	4.5	2.3

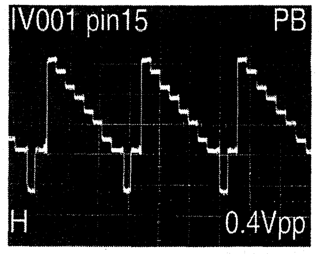
VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
IV060	1	0	0	0
	2	2.3	2.3	2.3
	3	5.1	5.1	5.1
	4	2.3	2.3	2.3
	5	0	0	0
	6	0	0	0
	7	2.3	2.3	2.3
	8	0	0	0
	9	1.2	1.2	1.2
	10	0	0	0
	11	2.3	2.3	2.3
	12	1.2	1.2	1.2
	13	0	0	0
	14	2	2	2
	15	2	2	2
	16	5	5	5
	17	0	0	0
	18	5	5	5
	19	8.5	8.5	8.5
	20	4.3	4.3	4.3
	21	0	0	0
	22	0	0	0
	23	1.3	1.3	1.3
	24	0	0	0
IV120	1	5.1	5.1	5.1
	2	3.1	3.1	3.1
	3	3.1	2.9	3.1
	4	3.1	2.9	3.1
	5	2.7	2.7	2.7
	6	0	0	0
	7	0	0	0
	8	0	0	0
	9	5.1	5.1	5.1
	10	0	0	0
	11	0	0	0
	12	3.1	2.9	3.1
	13	0.1	0.1	0.1
	14	3.1	2.9	3.1
	15	3.1	2.9	3.1
	16	5.1	5.1	5.1
IV160	1	2.1	2.1	2.1
	2	4.7	4.7	4.7
	3	0.8	0.8	0.8
	4	5	5	5
	5	0	0	0
	6	2.4	2.2	2.4
	7	5.1	5.1	5.1
	8	2.2	2.2	2.2

VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
IV170	1	4.8	4.8	4.8
	2	0	0	0
	3	4.8	4.8	4.8
	4	0	0	0
	5	0	0	0
	6	0	0	0
	7	0	0	0
	8	0	0	0
	9	0	0	0
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	0	0	0
	14	4.9	4.9	4.9
	15	5.1	5.1	5.1
	16	5.1	5.1	5.1
IV171	1	4.8	4.8	4.8
	2	0	0	0
	3	4.8	4.8	4.8
	4	0	0	0
	5	0	0	0
	6	0	5	0
	7	0	0	0
	8	0	0	0
	9	0	0	0
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	4.9	4.9	4.9
	14	0	0	0
	15	5.1	5.1	5.1
	16	5.1	5.1	5.1
TV002	E	0	0	0
	B	0	5	0
	C	0	0	0
TV003	E	1.6	2.5	1.6
	B	0	3.2	0
	C	2.5	2.5	2.5
TV006	E	2.7	2.7	4.2
	B	0	0	4.8
	C	5.1	5.1	5.1
TV011	E	2.7	2.7	2.7
	B	2	2	2
	C	0	0	0
TV028	E	2.2	2	2.2
	B	2.8	2.7	2.8
	C	5	5	5
TV047	E	3	3.8	3
	B	2.3	3.2	2.3
	C	0	0	0
TV055	E	2.3	3.2	2.3
	B	3	3.8	3
	C	5.1	5.1	5.1
TV103	E	0	0	0
	B	4.9	4.9	4.9
	C	0	0	0
TV126	E	0	0	0
	B	2.3	2.3	2.3
	C	-0.1	0	0
TV127	E	4.3	4.3	4.3
	B	3.7	3.7	3.7
	C	2.4	2.4	2.4
TV130	E	1.7	1.7	1.7
	B	2.4	2.4	2.4
	C	5.1	5.1	5.1
TV135	E	2.4	2.1	2.4
	B	3	2.7	3
	C	5.1	5.1	5.1
TV140	E	1.6	1.6	1.6
	B	1	1	1
	C	5	5	5

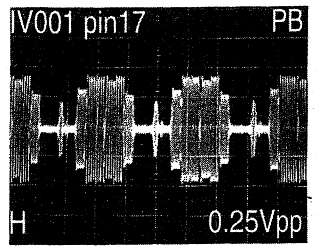
VIDEO		MODE		
LOC	PIN	EE	PLAY	REC.
TV141	E	1.6	1.6	1.6
	B	2.3	2.3	2.3
	C	5.1	5.1	5.1
TV143	E	2.4	2.4	2.4
	B	1.8	1.8	1.8
	C	0	0	0
TV145	E	3.3	3.3	3.3
	B	2.4	2.4	2.4
	C	5.1	5.1	5.1
TV147	E	3.3	3.3	3.3
	B	4	4	4
	C	3.4	3.4	3.4
TV149	E	3.4	3.4	3.4
	B	4	4	4
	C	0.2	0.2	0.2
TV154	E	1.8	1.6	1.8
	B	2.4	2.2	2.4
	C	5.1	5.1	5.1
TV164	E	0.2	0.2	0.2
	B	2.7	2.7	2.7
	C	0.2	0.2	0.2
TV170	E	0	0	0
	B	0	4.7	0
	C	5.1	0	5.1
TV171	E	5.1	5.1	5.1
	B	5.1	4.3	5.1
	C	0	5	0
TV186	E	0	0	0
	B	0	0	0
	C	0.3	0.3	0.3
TV187	E	0	0	0
	B	0.3	0.3	0.3
	C	0	1.2	1.2
TV188	E	1.9	1.9	4.1
	B	0	0	4.8
	C	5.1	5.1	5.1
TV200	E	2.7	4.4	2.7
	B	3.3	5	3.3
	C	5.1	5.1	5.1
TV201	E	1.2	4.3	1.2
	B	1.8	1.8	1.8
	C	3.3	5.1	3.3
TV223	E	0	1.1	0
	B	0	1.7	0
	C	0	3.6	0
TV225	E	0	0	0
	B	0	0	0
	C	0	0	0
TV227	E	0	3	0
	B	0	3.6	0
	C	0	5	0
TV243	E	0	3.6	0
	B	0	2.9	0
	C	0	1.8	0
TV248	E	0	1.2	0
	B	0	1.8	0
	C	0	3.7	0
TV250	E	0	0.6	0
	B	0	1.2	0
	C	0	4.6	0
TV251	E	0	3.9	0
	B	0	4.5	0
	C	0	5	0



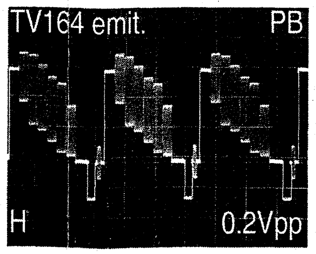
⑤



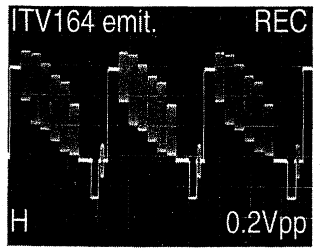
⑥



⑦



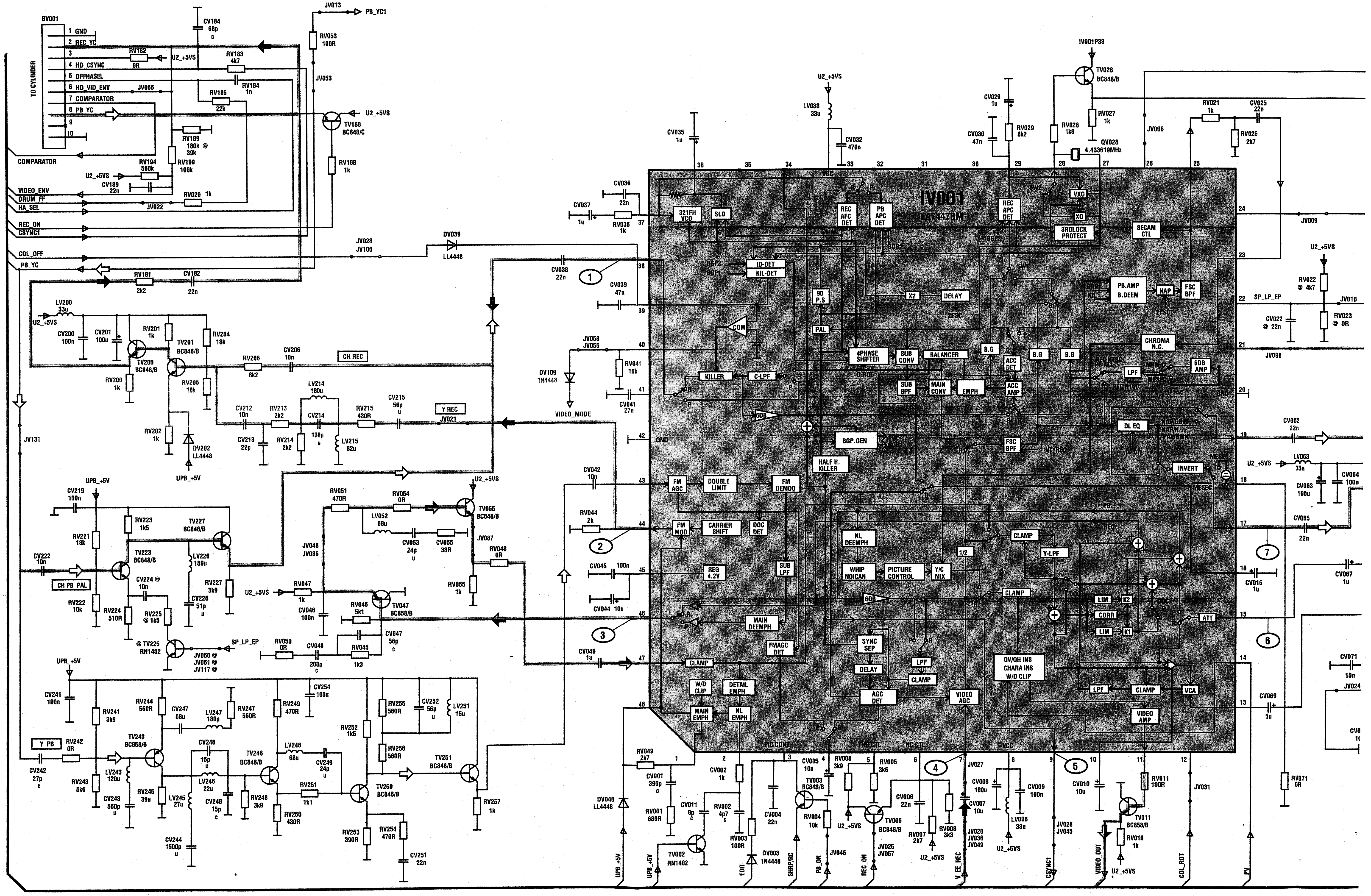
⑧



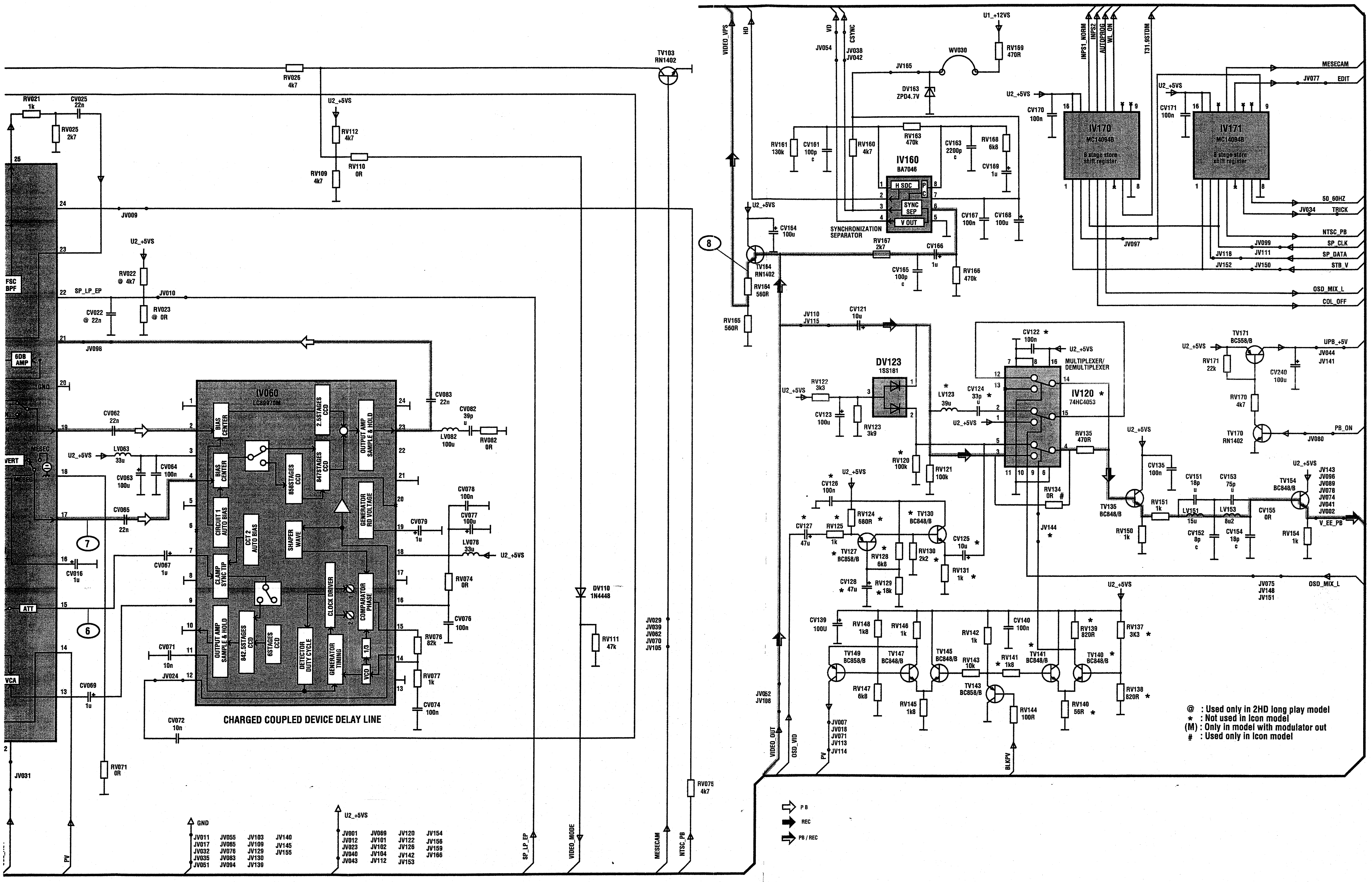
⑧

VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (T 8000 / VR 7021)

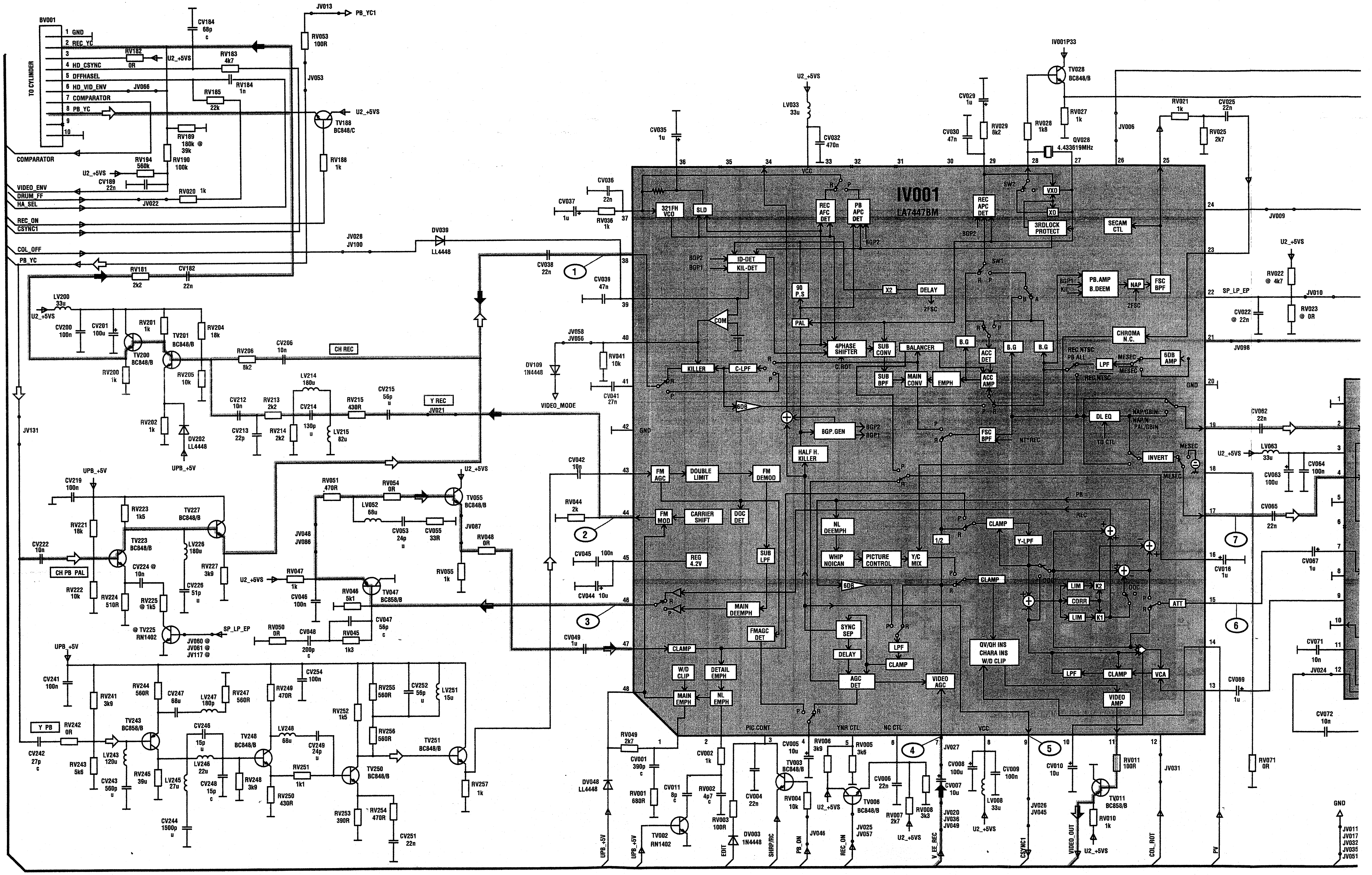

BV001
TO CYLINDER
1 GND
2 REC YC
3
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV
7 COMPARATOR
8 PB YC
9
10
COMPARATOR
VIDEO_ENV
DRUM_FF
HA_SEL
REC_ON
CSYNC1
COL_OFF
PB_YC
JV131
CV184 68p c
RV182 0R
U2_+5VS
RV183 4k7
RV184 1n
JV066
RV185 22k
RV189 180k @ 39k
RV190 100k
RV194 560k
CV189 22n
RV020 1k
JV022
JV013
PB_YC1
RV053 100R
JV053
TV188 BC848/C
RV188 1k
JV028
JV100
DV039 LL4448
RV181 2k2
CV182 22n
LV200 33u
U2_+5VS
CV200 100n
CV201 100u
RV201 1k
TV201 BC848/B
RV204 18k
TV200 BC848/B
RV200 1k
RV205 10k
RV206 8k2
CV206 10n
CH REC
RV202 1k
DV202 LL4448
UPB_+5V
CV212 10n
RV213 2k2
CV213 22p
RV214 2k2
LV214 180u
CV214 130p u
LV215 82u
RV215 430R
CV215 56p u
Y REC
JV021
UPB_+5V
CV219 100n
RV221 18k
RV223 1k5
TV227 BC848/B
CV222 10n
TV223 BC848/B
CH PB PAL
LV226 180u
CV224 @ 10n
CV226 51p u
RV227 3k9
RV222 10k
RV224 510R
RV225 @ 1k5
@ TV225 RN1402
JV060 @ JV061 @ JV117 @
SP_LP_EP
RV051 470R
RV054 0R
LV052 68u
CV053 24p u
CV055 33R
U2_+5VS
TV055 BC848/B
JV087
JV048 JV086
RV048 0R
RV055 1k
U2_+5VS
RV047 1k
CV046 100n
RV046 5k1
TV047 BC858/B
CV047 56p c
RV050 0R
CV048 200p
RV045 1k3
UPB_+5V
CV241 100n
RV241 3k9
RV244 560R
CV247 68u
LV247 180p
RV247 560R
RV249 470R
CV254 100n
RV255 560R
CV252 56p u
LV251 15u
Y PB
RV242 0R
TV243 BC858/B
CV246 15p u
TV248 BC848/B
LV248 68u
CV249 24p u
RV252 1k5
RV258 560R
TV251 BC848/B
CV242 27p c
RV243 5k6
LV243 120u
RV245 39u
CV243 560p u
LV245 27u
LV246 22u
CV248 15p c
RV248 3k9
RV251 1k1
RV250 430R
TV250 BC848/B
RV253 390R
RV254 470R
RV257 1k
CV244 1500p u
CV251 22n
CV035 1u
LV033 33u
U2_+5VS
CV032 470n
CV036 22n
CV037 1u
RV036 1k
CV038 22n
CV039 47n
JV058 JV056
RV041 10k
DV109 1N4448
VIDEO_MODE
CV041 27n
CV042 10n
RV044 2k
CV045 100n
CV044 10u
CV049 1u
RV049 2k7
DV048 LL4448
UPB_+5V
CV001 390p c
RV001 680R
CV011 8p c
TV002 RN1402
UPB_+5V
CV002 1k
RV002 4p7 c
RV003 100R
EDIT
DV003 1N4448
CV004 22n
SHRP/RC
CV005 10u
TV003 BC848/B
RV004 10k
PB_ON
JV046
RV006 3k9
U2_+5VS
RV005 3k6
TV006 BC848/B
REC_ON
JV025 JV057
CV006 22n
RV007 2k7
RV008 3k3
U2_+5VS
JV027
CV008 100u
CV007 10u
JV020 JV036 JV049
V_EE_REC
CV009 100n
LV008 33u
U2_+5VS
JV026 JV045
CSYNC1
CV010 10u
VIDEO_OUT
RV011 100R
TV011 BC858/B
RV010 1k
U2_+5VS
JV031
COL_ROT
PV
IV001P33
TV028 BC848/B
CV029 1u
RV029 8k2
CV030 47n
RV028 1k8
RV027 1k
QV028 4.433619MHz
JV006
RV021 1k
CV025 22n
RV025 2k7
JV009
U2_+5VS
RV022 @ 4k7
SP_LP_EP
JV010
CV022 @ 22n
RV023 @ 0R
JV098
CV062 22n
U2_+5VS
LV063 33u
CV063 100u
CV064 100n
CV065 22n
CV067 1u
CV016 1u
CV071 10n
JV024
CV069 1u
RV071 0R
IV001
LA7447BM
321FH VCO
SLD
REC AFC DET
PB APC DET
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
SW2
SW1
BGP2
BGP1
ID-DET
KIL-DET
90 P.S
PAL
X2
DELAY
2FSC
PB.AMP B.DEEM
NAP
FSC BPF
COM
KILLER
C-LPF
4PHASE SHIFTER
SUB CONV
BALANCER
B.G
ACC DET
ACC AMP
SUB BPF
MAIN CONV
EMPH
CHROMA N.C.
LPF
MESEC
6DB AMP
REC NTSC
PB ALL
GND
6DB
BGP.GEN
FSC BPF
NT REC
DL EQ
NAP/DBIN
PAL/DBIN
TO CTL
INVERT
HALF H. KILLER
FM AGC
DOUBLE LIMIT
FM DEMOD
PB
REC
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
1/2
REG 4.2V
SUB LPF
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
6DB
CLAMP
DOC
LIM
K2
CORR
K1
ATT
MAIN DEEMPH
SYNC SEP
FMAGC DET
DELAY
LPF
CLAMP
QV/QH INS CHARA INS W/D CLIP
W/D CLIP
DETAIL EMPH
AGC DET
VIDEO AGC
LPF
CLAMP
VCA
MAIN EMPH
NL EMPH
VIDEO AMP
PIC CONT
YNR CTL
NC CTL
VCC
GND
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
①
②
③
④
⑤
⑥
⑦

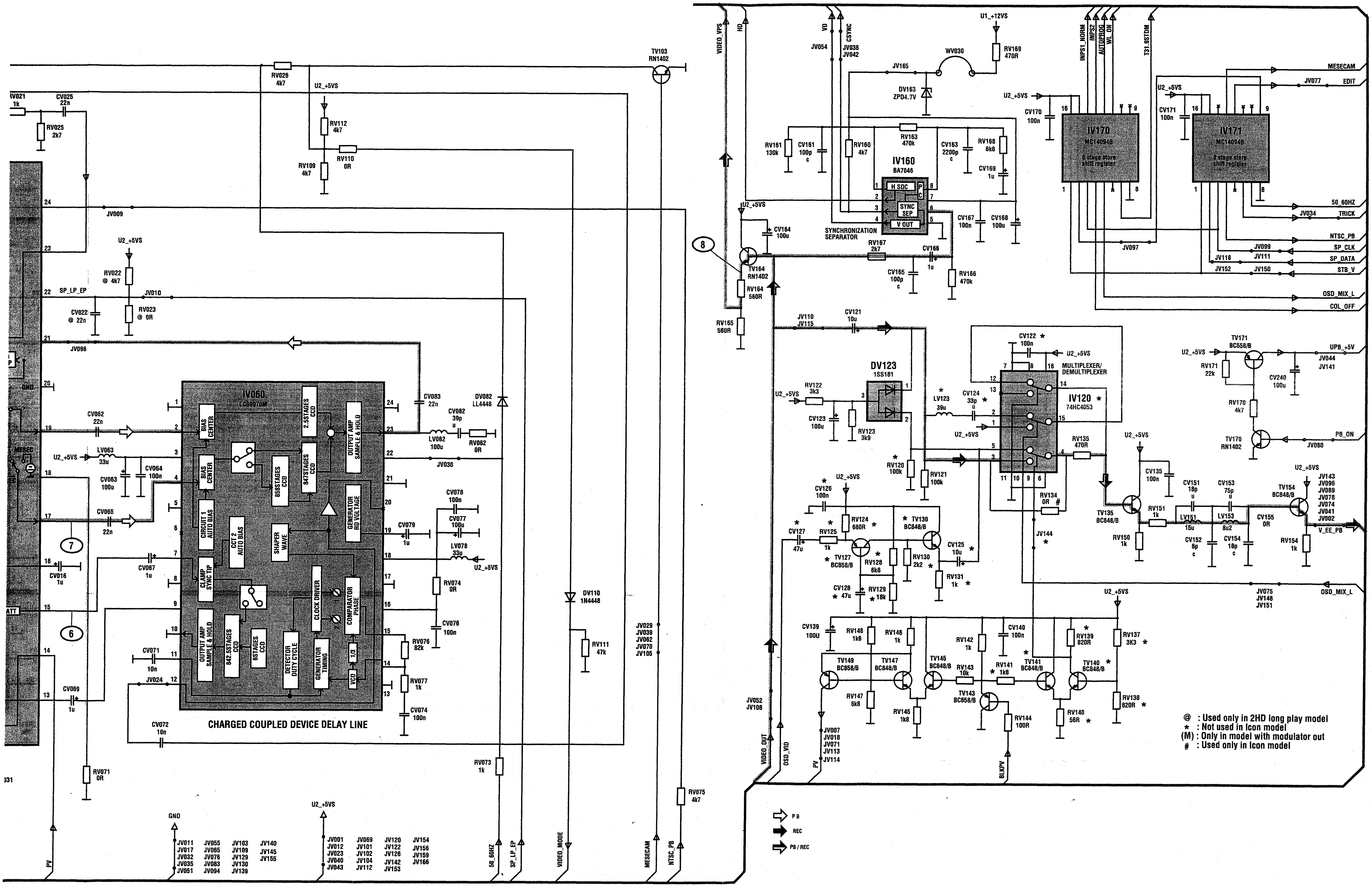
MIENTO VIDEO


IV060
LC89970M
CHARGED COUPLED DEVICE DELAY LINE
BIAS CENTER
2.5STAGES CCD
OUTPUT AMP SAMPLE & HOLD
858STAGES CCD
847STAGES CCD
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
SHAPER WAVE
GENERATOR RD VOLTAGE
CLAMP SYNC TIP
CLOCK DRIVER
COMPARATOR PHASE
842.5STAGES CCD
6STAGES CCD
DETECTOR DUTY CYCLE
GENERATOR TIMING
VCO
1/3
FSC BPF
6DB AMP
VERT
MESEC
ATT
VCA
GND
TV103
RN1402
RV026
4k7
RV021
1k
CV025
22n
RV025
2k7
U2_+5VS
RV112
4k7
RV109
4k7
RV110
0R
JV009
RV022
@ 4k7
RV023
@ 0R
CV022
@ 22n
SP_LP_EP
JV010
JV098
CV062
22n
LV063
33u
CV063
100u
CV064
100n
CV065
22n
CV016
1u
CV067
1u
CV071
10n
JV024
CV069
1u
CV072
10n
RV071
0R
JV031
CV083
22n
CV082
39p
LV082
100u
RV082
0R
CV078
100n
CV077
100u
CV079
1u
LV078
33u
RV074
0R
CV076
100n
RV076
82k
RV077
1k
CV074
100n
DV110
1N4448
RV111
47k
JV029
JV039
JV062
JV070
JV105
RV075
4k7
PV
SP_LP_EP
VIDEO_MODE
MESECAM
NTSC_PB
GND
JV011 JV055 JV103 JV140
JV017 JV065 JV109 JV145
JV032 JV076 JV129 JV155
JV035 JV083 JV130
JV051 JV094 JV139
U2_+5VS
JV001 JV069 JV120 JV154
JV012 JV101 JV122 JV156
JV023 JV102 JV126 JV159
JV040 JV104 JV142 JV166
JV043 JV112 JV153
VIDEO_VPS
HD
VD
CSYNC
JV054
JV038
JV042
U1_+12VS
RV169
470R
WV030
JV165
DV163
ZPD4.7V
RV161
130k
CV161
100p
RV160
4k7
RV163
470k
CV163
2200p
RV168
6k8
CV169
1u
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
CV167
100n
CV168
100u
U2_+5VS
CV164
100u
TV164
RN1402
RV167
2k7
CV166
1u
CV165
100p
RV166
470k
RV164
560R
RV165
560R
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31.9STDM
CV170
100n
IV170
MC14094B
8 stage store shift register
CV171
100n
IV171
MC14094B
8 stage store shift register
JV097
MESECAM
JV077
EDIT
50_60HZ
JV034
TRICK
NTSC_PB
JV099
SP_CLK
JV118
JV111
SP_DATA
JV152
JV150
STB_V
OSD_MIX_L
COL_OFF
JV110
JV115
CV121
10u
DV123
1SS181
RV122
3k3
CV123
100u
RV123
3k9
LV123
39u
CV124
33p
CV122
100n
MULTIPLEXER/ DEMULTIPLEXER
IV120
74HC4053
RV135
470R
RV134
0R #
JV144
RV120
100k
RV121
100k
CV126
100n
RV124
680R
TV130
BC848/B
CV127
47u
RV125
1k
TV127
BC858/B
RV128
6k8
RV130
2k2
CV125
10u
RV131
1k
CV128
47u
RV129
18k
TV171
BC558/B
RV171
22k
CV240
100u
UPB_+5V
JV044
JV141
RV170
4k7
TV170
RN1402
PB_ON
JV080
CV135
100n
TV135
BC848/B
RV151
1k
CV151
18p
LV151
15u
CV153
75p
LV153
8u2
CV155
0R
TV154
BC848/B
JV143 JV096 JV089 JV078 JV074 JV041 JV002
V_EE_PB
RV150
1k
CV152
8p
CV154
18p
RV154
1k
JV075
JV148
JV151
OSD_MIX_L
CV139
100U
RV148
1k8
RV146
1k
RV142
1k
CV140
100n
RV139
820R
RV137
3K3
TV149
BC858/B
TV147
BC848/B
TV145
BC848/B
RV143
10k
RV141
1k8
TV141
BC848/B
TV140
BC848/B
RV147
6k8
RV145
1k8
TV143
BC858/B
RV144
100R
RV140
56R
RV138
820R
JV052
JV108
JV007
JV018
JV071
JV113
JV114
PV
VIDEO_OUT
OSD_VID
BLKPV
@ : Used only in 2HD long play model
* : Not used in Icon model
(M) : Only in model with modulator out
# : Used only in Icon model
PB
REC
PB / REC

VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (M 9625 / VP 2601 / VP 2651 / V 1250 SVM)

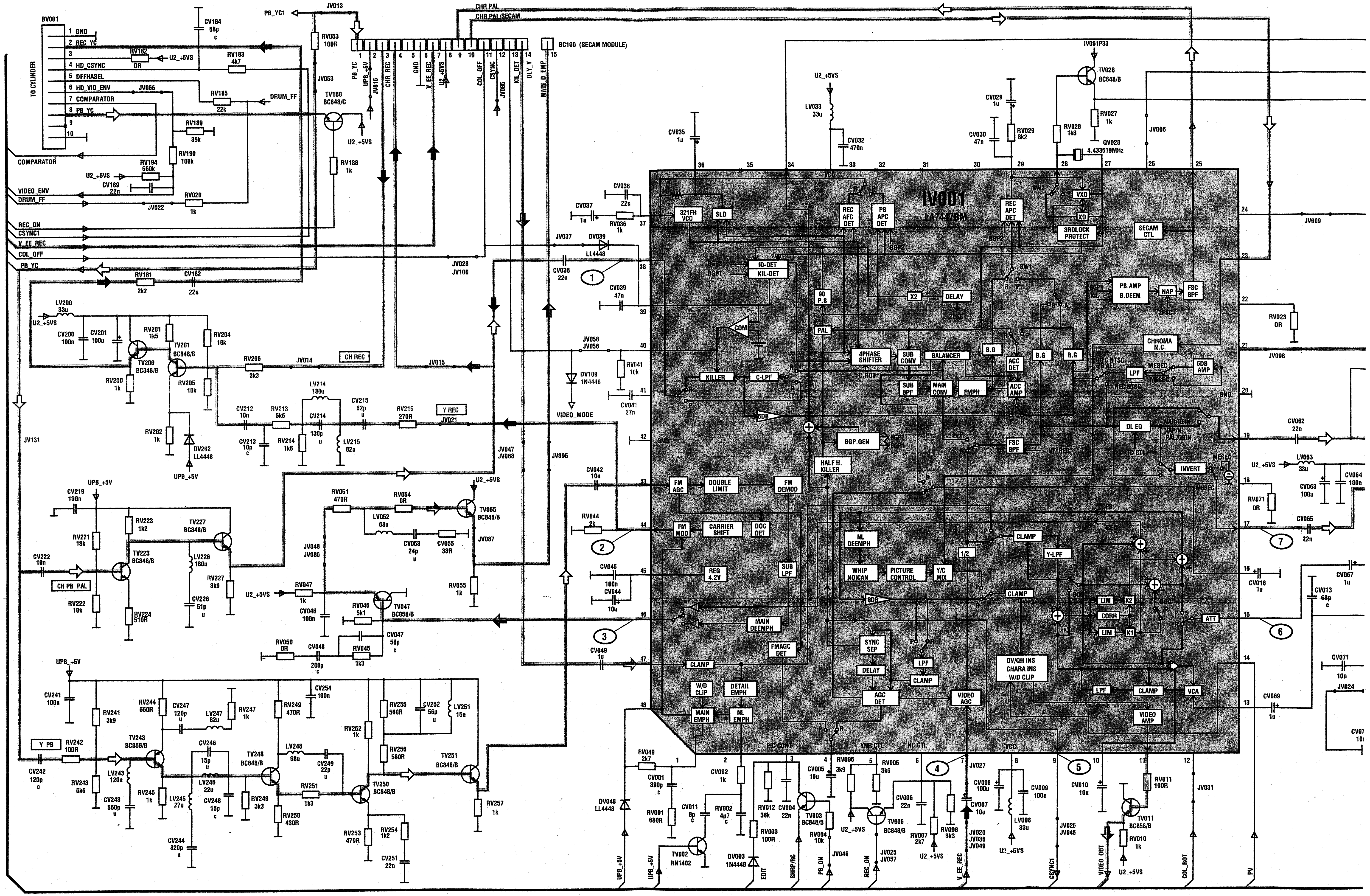

BV001
TO CYLINDER
1 GND
2 REC_YC
3
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV
7 COMPARATOR
8 PB_YC
9
10
COMPARATOR
VIDEO_ENV
DRUM_FF
HA_SEL
REC_ON
CSYNC1
COL_OFF
PB_YC
CV184 68p
JV013
PB_YC1
RV053 100R
JV053
RV182 0R
U2_+5V
RV183 4k7
RV184 1n
RV185 22k
JV066
TV188 BC848/C
RV188 1k
RV189 180k @ 39k
RV190 100k
RV194 560k
CV189 22n
RV020 1k
JV022
JV028
JV100
DV039 LL4448
RV181 2k2
CV182 22n
LV200 33u
CV200 100n
CV201 100u
RV201 1k
RV204 18k
TV201 BC848/B
TV200 BC848/B
RV200 1k
RV205 10k
RV206 8k2
CV206 10n
CH REC
LV214 180u
CV212 10n
RV213 2k2
CV214 130p
RV215 430R
CV215 56p
Y REC
JV021
RV202 1k
DV202 LL4448
CV213 22p
RV214 2k2
LV215 82u
UPB_+5V
JV131
CV219 100n
RV221 18k
RV223 1k5
TV227 BC848/B
TV223 BC848/B
LV226 180u
CV222 10n
CH PB PAL
CV224 @ 10n
CV226 51p
RV227 3k9
RV222 10k
RV224 510R
RV225 @ 1k5
@ TV225 RN1402
JV060 @ JV061 @ JV117 @
SP_LP_EP
RV051 470R
RV054 0R
TV055 BC848/B
LV052 68u
CV053 24p
CV055 33R
JV048 JV086
JV087
RV048 0R
RV055 1k
RV047 1k
CV046 100n
RV046 5k1
TV047 BC858/B
CV047 56p
RV050 0R
CV048 200p
RV045 1k3
CV241 100n
RV241 3k9
RV244 560R
CV247 68u
LV247 180p
RV247 560R
RV249 470R
CV254 100n
RV255 560R
CV252 56p
LV251 15u
TV243 BC858/B
CV246 15p
TV248 BC848/B
LV248 68u
CV249 24p
RV252 1k5
RV256 560R
TV251 BC848/B
Y PB
RV242 0R
CV242 27p
LV243 120u
RV243 5k6
CV243 560p
RV245 39u
LV245 27u
LV246 22u
CV248 15p
RV248 3k9
RV251 1k1
RV250 430R
TV250 BC848/B
RV253 390R
RV254 470R
CV251 22n
RV257 1k
CV244 1500p
IV001
LA7447BM
CV035 1u
LV033 33u
CV032 470n
CV029 1u
CV030 47n
RV029 8k2
RV028 1k8
IV001P33
TV028 BC848/B
RV027 1k
QV028 4.433619MHz
RV021 1k
CV025 22n
RV025 2k7
JV006
CV036 22n
CV037 1u
RV036 1k
321FH VCO
SLD
REC AFC DET
PB APC DET
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
JV009
ID-DET
KIL-DET
BGP1
BGP2
X2
DELAY
2FSC
90 P.S
PAL
COM
4PHASE SHIFTER
SUB CONV
BALANCER
B.G
SUB BPF
MAIN CONV
EMPH
ACC DET
ACC AMP
PB.AMP B.DEEM
NAP
FSC BPF
CHROMA N.C.
LPF
6DB AMP
MESEC
REC NTSC
PB ALL
KILLER
C-LPF
6DB
BGP.GEN
HALF H. KILLER
FSC BPF
NT REC
DL EQ
NAP/GBIN
INVERT
CV038 22n
CV039 47n
JV058 JV056
RV041 10k
DV109 1N4448
CV041 27n
VIDEO_MODE
GND
CV042 10n
FM AGC
DOUBLE LIMIT
FM DEMOD
RV044 2k
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
1/2
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
CV045 100n
REG 4.2V
SUB LPF
CV044 10u
6DB
LIM
K2
CORR
K1
ATT
MAIN DEEMPH
SYNC SEP
DELAY
LPF
CLAMP
FMAGC DET
CV049 1u
W/D CLIP
DETAIL EMPH
AGC DET
VIDEO AGC
QV/QH INS CHARA INS W/D CLIP
VCA
VIDEO AMP
MAIN EMPH
NL EMPH
PIC CONT
YNR CTL
NC CTL
VCC
U2_+5VS
RV022 @ 4k7
SP_LP_EP
JV010
CV022 @ 22n
RV023 @ 0R
JV098
CV062 22n
LV063 33u
CV063 100u
CV064 100n
CV065 22n
CV016 1u
CV067 1u
CV071 10n
JV024
CV069 1u
CV072 10n
RV071 0R
GND
JV011 JV017 JV032 JV035 JV051
RV049 2k7
CV001 390p
RV001 680R
DV048 LL4448
CV011 8p
RV002 4p7
CV002 1k
TV002 RN1402
RV003 100R
DV003 1N4448
CV004 22n
CV005 10u
RV006 3k9
RV005 3k6
TV003 BC848/B
RV004 10k
TV006 BC848/B
CV006 22n
RV007 2k7
RV008 3k3
JV027
CV008 100u
CV009 100n
CV007 10u
LV008 33u
JV020 JV036 JV049
JV025 JV057
JV046
JV026 JV045
CV010 10u
RV011 100R
TV011 BC858/B
RV010 1k
JV031
UPB_+5V
EDIT
SHRP/RC
PB_ON
REC_ON
V_EE_REC
CSYNC1
VIDEO_OUT
COL_ROT
PV
①
②
③
④
⑤
⑥
⑦


IV060
CCD delay line
BIAS CENTER
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
CLAMP SYNC TIP
OUTPUT AMP SAMPLE & HOLD
842.5STAGES CCD
6STAGES CCD
858STAGES CCD
847STAGES CCD
2.5STAGES CCD
SHAPER WAVE
GENERATOR RD VOLTAGE
CLOCK DRIVER
DETECTOR DUTY CYCLE
GENERATOR TIMING
COMPARATOR PHASE
VCO
1/3
CHARGED COUPLED DEVICE DELAY LINE
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
IV170
MC14094B
8 stage store shift register
IV171
MC14094B
8 stage store shift register
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
DV123
1SS181
TV103 RN1402
TV164 RN1402
TV171 BC558/B
TV170 RN1402
TV154 BC848/B
TV135 BC848/B
TV127 BC858/B
TV130 BC848/B
TV149 BC858/B
TV147 BC848/B
TV145 BC848/B
TV143 BC858/B
TV141 BC848/B
TV140 BC848/B
DV163 ZPD4.7V
DV082 LL4448
DV110 1N4448
WV030
U2_+5VS
U1_+12VS
VIDEO_VPS
HD
VD
CSYNC
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31_9STDM
MESECAM
EDIT
50_60HZ
TRICK
NTSC_PB
SP_CLK
SP_DATA
STB_V
OSD_MIX_L
COL_OFF
UPB_+5V
PB_ON
V_EE_PB
VIDEO_OUT
OSD_VID
PV
BLKPV
SP_LP_EP
VIDEO_MODE
NTSC_PB
GND
PB
REC
PB / REC

@ : Used only in 2HD long play model
* : Not used in Icon model
(M) : Only in model with modulator out
: Used only in Icon model

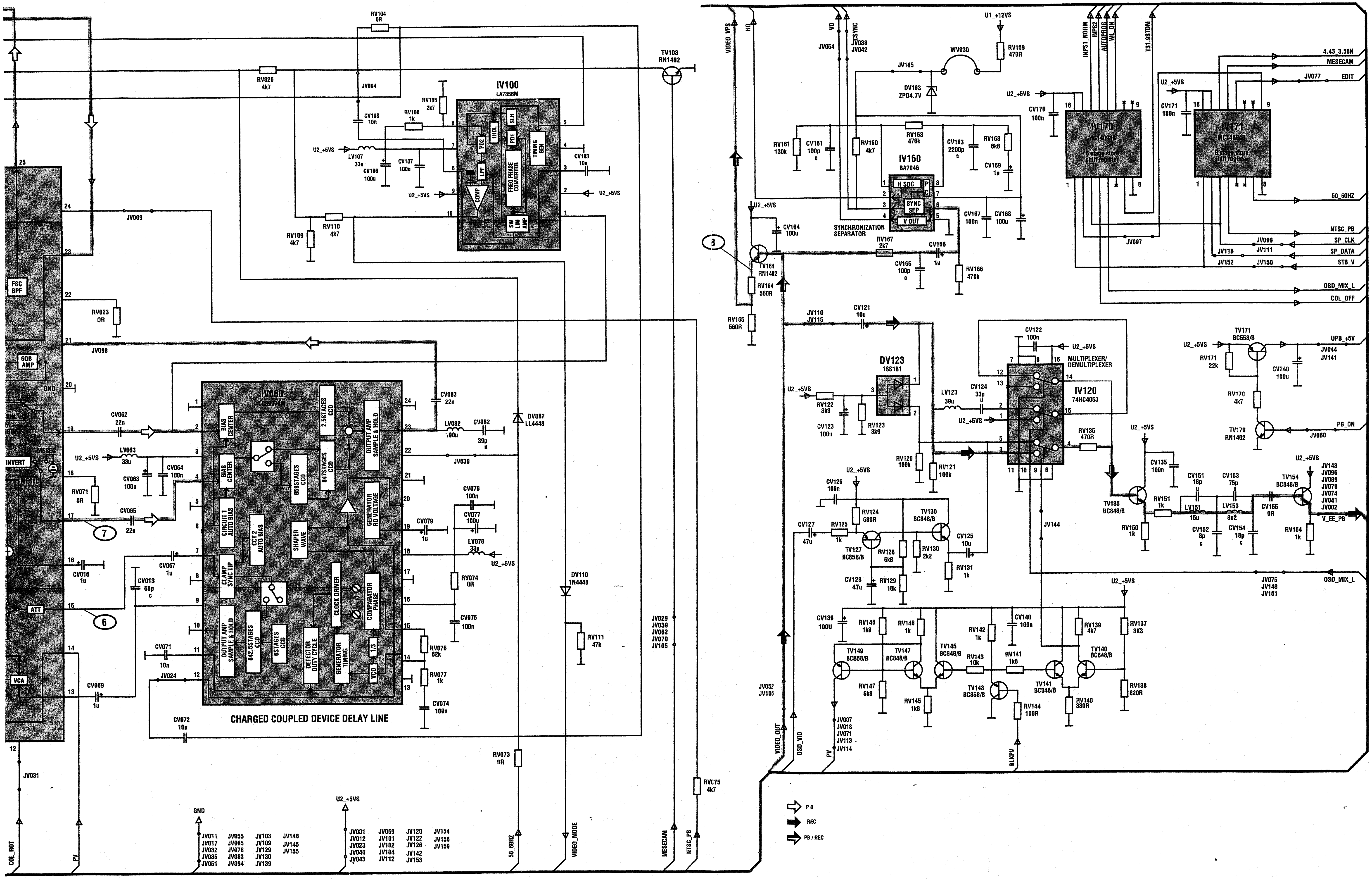
VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (M 9523 / VR 7027)



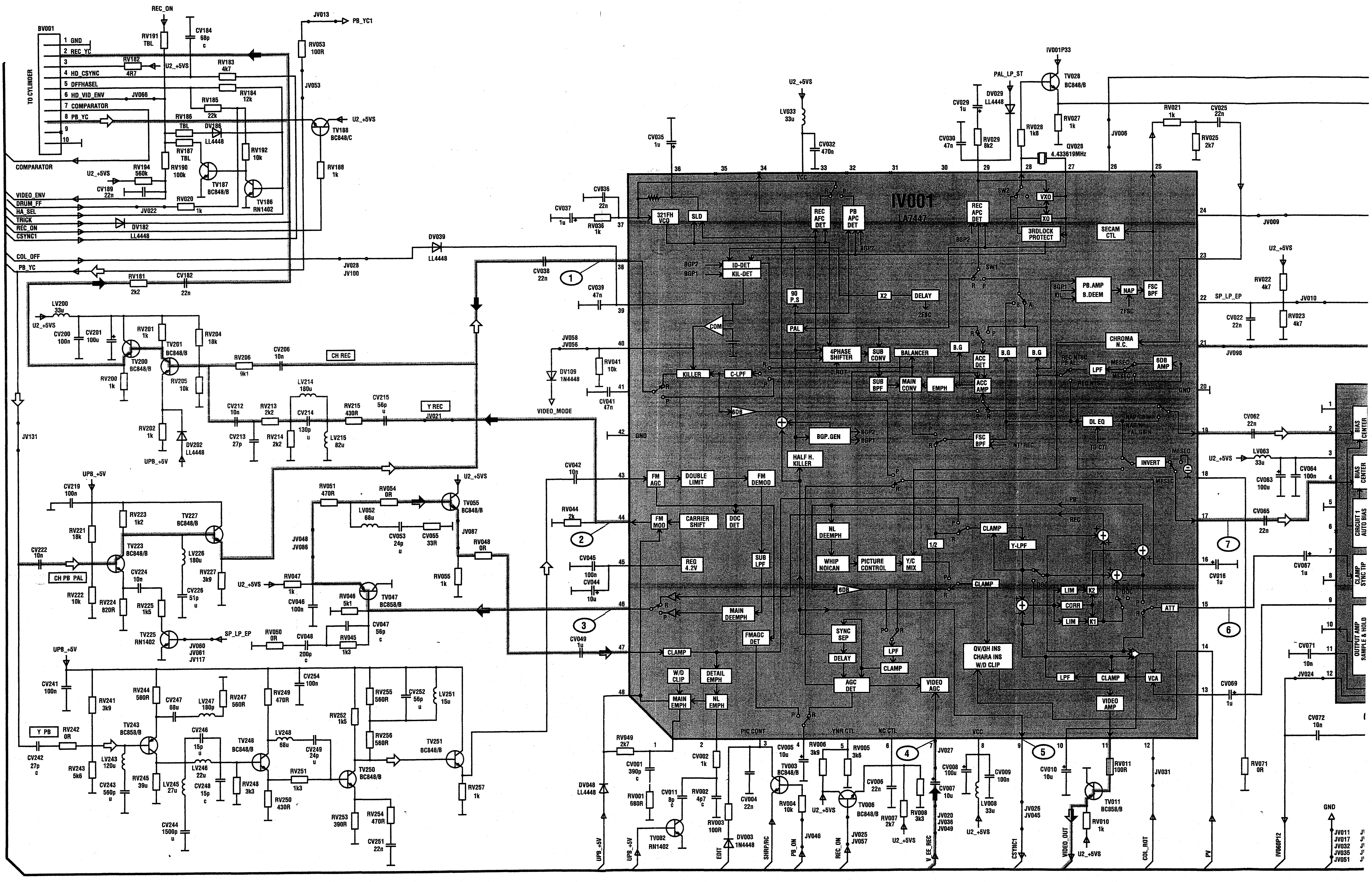
BV001
1 GND
2 REC_YC
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV
7 COMPARATOR
8 PB_YC
TO CYLINDER
COMPARATOR
VIDEO_ENV
DRUM_FF
REC_ON
CSYNC1
V_EE_REC
COL_OFF
PB_YC
PB_YC1
CHR PAL
CHR PAL/SECAM
BC100 (SECAM MODULE)
IV001
LA7447BM
IV001P33
TV028 BC848/B
QV028 4.433619MHz
321FH VCO
SLD
REC AFC DET
PB APC DET
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
ID-DET
KIL-DET
90 P.S
PAL
X2
DELAY
PB.AMP B.DEEM
NAP
FSC BPF
CHROMA N.C.
KILLER
C-LPF
4PHASE SHIFTER
SUB CONV
BALANCER
SUB BPF
MAIN CONV
EMPH
ACC DET
ACC AMP
B.G
LPF
6DB AMP
BGP.GEN
HALF H. KILLER
DL EQ
INVERT
FSC BPF
FM AGC
DOUBLE LIMIT
FM DEMOD
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
REG 4.2V
SUB LPF
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
LIM
CORR
ATT
MAIN DEEMPH
FMAGC DET
SYNC SEP
DELAY
LPF
CLAMP
QV/QH INS CHARA INS W/D CLIP
W/D CLIP
DETAIL EMPH
AGC DET
VIDEO AGC
VCA
VIDEO AMP
MAIN EMPH
NL EMPH
PIC CONT
VNR CTL
NC CTL
VCC
GND
CH REC
Y REC
CH PB PAL
Y PB
VIDEO_MODE
VIDEO_OUT
COL_ROT
CSYNC1
V_EE_REC
REC_ON
PB_ON
SHRP/RC
EDIT
UPB_+5V
U2_+5VS

MIENTO VIDEO

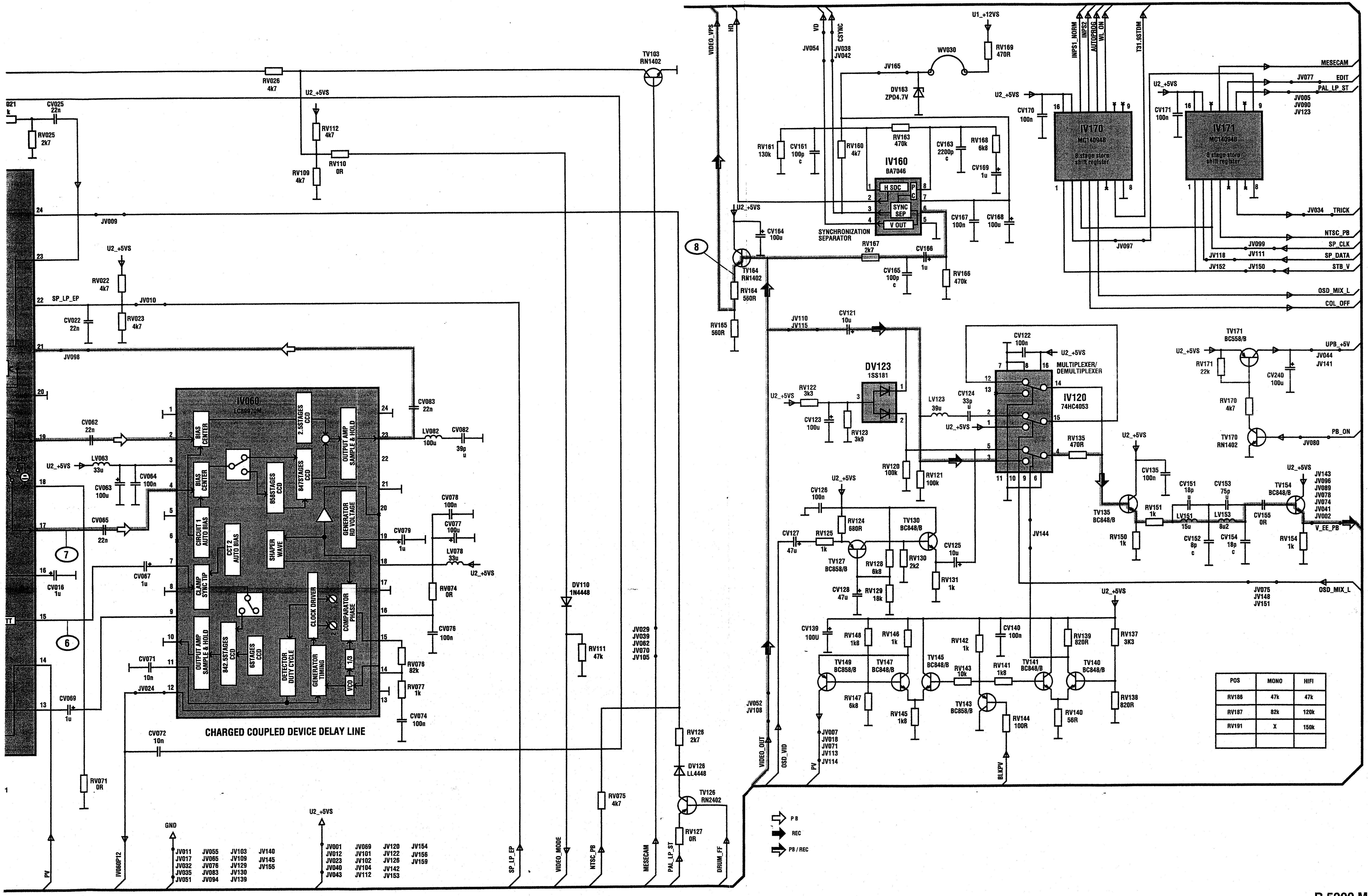

IV100
LA7356M
1HDL
SLH
PD2
PD1
TIMING GEN
LPF
FREQ PHASE CONVERTER
COMP
SW LIM AMP
IV060
LC89970M
BIAS CENTER
2.5STAGES CCD
OUTPUT AMP SAMPLE & HOLD
858STAGES CCD
847STAGES CCD
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
SHAPER WAVE
GENERATOR RD VOLTAGE
CLAMP SYNC TIP
CLOCK DRIVER
COMPARATOR PHASE
842.5STAGES CCD
6STAGES CCD
DETECTOR DUTY CYCLE
GENERATOR TIMING
VCO
1/3
CHARGED COUPLED DEVICE DELAY LINE
FSC BPF
6DB AMP
INVERT
MESEC
ATT
VCA
GND
TV103
RN1402
RV104 0R
RV026 4k7
RV105 2k7
RV106 1k
RV109 4k7
RV110 4k7
RV023 0R
RV071 0R
RV073 0R
RV074 0R
RV076 82k
RV077 1k
RV075 4k7
RV111 47k
DV082 LL4448
DV110 1N4448
U2_+5VS
COL_ROT
PV
50_60HZ
VIDEO_MODE
MESECAM
NTSC_PB
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
DV163 ZPD4.7V
WV030
U1_+12VS
RV169 470R
IV170
MC14094B
8 stage store shift register
IV171
MC14094B
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31.9STDM
4.43_3.58N
MESECAM
EDIT
50_60HZ
NTSC_PB
SP_CLK
SP_DATA
STB_V
OSD_MIX_L
COL_OFF
VIDEO_VPS
HD
VD
CSYNC
TV164 RN1402
RV164 560R
RV165 560R
DV123
1SS181
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
TV171 BC558/B
TV170 RN1402
UPB_+5V
PB_ON
TV135 BC848/B
TV154 BC848/B
V_EE_PB
OSD_MIX_L
TV127 BC858/B
TV130 BC848/B
TV149 BC858/B
TV147 BC848/B
TV145 BC848/B
TV143 BC858/B
TV141 BC848/B
TV140 BC848/B
VIDEO_OUT
OSD_VID
PV
BLKPV
PB
REC
PB / REC

VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VR 7041)


REC_ON
BV001
1 GND
2 REC_YC
3
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV
7 COMPARATOR
8 PB_YC
9
10
TO CYLINDER
COMPARATOR
VIDEO_ENV
DRUM_FF
HA_SEL
TRICK
REC_ON
CSYNC1
COL_OFF
PB_YC
JV013
PB_YC1
RV053 100R
JV053
RV191 TBL
CV184 68p
RV182 4R7
U2_+5VS
RV183 4k7
RV184 12k
RV185 22k
RV186 TBL
DV186 LL4448
RV187 TBL
RV190 100k
RV192 10k
RV194 560k
CV189 22n
RV020 1k
JV022
JV066
TV186 RN1402
TV187 BC848/B
TV188 BC848/C
RV188 1k
DV182 LL4448
DV039 LL4448
JV028 JV100
RV181 2k2
CV182 22n
LV200 33u
CV200 100n
CV201 100u
RV201 1k
TV200 BC848/B
TV201 BC848/B
RV204 18k
RV200 1k
RV205 10k
RV206 9k1
CV206 10n
CH REC
RV202 1k
DV202 LL4448
UPB_+5V
CV212 10n
CV213 27p
RV213 2k2
RV214 2k2
LV214 180u
CV214 130p
RV215 430R
CV215 56p
LV215 82u
Y REC
JV021
JV131
CV219 100n
RV221 18k
RV223 1k2
TV223 BC848/B
TV227 BC848/B
LV226 180u
RV227 3k9
CV222 10n
CH PB PAL
CV224 10n
CV226 51p
RV222 10k
RV224 820R
RV225 1k5
TV225 RN1402
SP_LP_EP
JV060 JV061 JV117
RV051 470R
RV054 0R
LV052 68u
CV053 24p
CV055 33R
TV055 BC848/B
JV087
RV048 0R
RV055 1k
JV048 JV086
RV047 1k
CV046 100n
RV046 5k1
TV047 BC858/B
RV050 0R
CV048 200p
RV045 1k3
CV047 56p
CV241 100n
RV241 3k9
RV244 560R
CV247 68u
LV247 180p
RV247 560R
RV249 470R
CV254 100n
RV255 560R
CV252 56p
LV251 15u
Y PB
RV242 0R
TV243 BC858/B
CV242 27p
RV243 5k6
LV243 120u
CV243 560p
RV245 39u
LV245 27u
CV246 15p
LV246 22u
CV248 15p
RV248 3k3
TV248 BC848/B
LV248 68u
CV249 24p
RV251 1k3
RV250 430R
RV252 1k5
RV256 560R
TV250 BC848/B
TV251 BC848/B
RV257 1k
RV253 390R
RV254 470R
CV251 22n
CV244 1500p
IV001
LA7447
CV035 1u
CV036 22n
CV037 1u
RV036 1k
LV033 33u
CV032 470n
CV029 1u
DV029 LL4448
CV030 47n
RV029 8k2
IV001P33
PAL_LP_ST
TV028 BC848/B
RV028 1k8
RV027 1k
QV028 4.433619MHz
JV006
RV021 1k
CV025 22n
RV025 2k7
JV009
U2_+5VS
RV022 4k7
SP_LP_EP
JV010
CV022 22n
RV023 4k7
JV098
CV038 22n
CV039 47n
JV058 JV056
DV109 1N4448
RV041 10k
CV041 47n
VIDEO_MODE
CV042 10n
RV044 2k
CV045 100n
CV044 10u
CV049 1u
321FH VCO
SLD
REC AFC DET
PB APC DET
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
ID-DET
KIL-DET
90 P.S
X2
DELAY
PB.AMP B.DEEM
NAP
FSC BPF
COM
PAL
4PHASE SHIFTER
SUB CONV
BALANCER
B.G
ACC DET
CHROMA N.C.
6DB AMP
LPF
KILLER
C-LPF
SUB BPF
MAIN CONV
EMPH
ACC AMP
DL EQ
6DB
BGP.GEN
FSC BPF
HALF H. KILLER
INVERT
FM AGC
DOUBLE LIMIT
FM DEMOD
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
1/2
REG 4.2V
SUB LPF
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
LIM
K2
CORR
K1
ATT
MAIN DEEMPH
SYNC SEP
FMAGC DET
LPF
DELAY
QV/QH INS CHARA INS W/D CLIP
W/D CLIP
DETAIL EMPH
AGC DET
VIDEO AGC
VCA
MAIN EMPH
NL EMPH
VIDEO AMP
PIC CONT
YNR CTL
NC CTL
VCC
GND
CV062 22n
LV063 33u
CV063 100u
CV064 100n
CV065 22n
CV067 1u
CV016 1u
CV071 10n
JV024
CV069 1u
CV072 10n
RV071 0R
BIAS CENTER
CIRCUIT 1 AUTO BIAS
CLAMP SYNC TIP
OUTPUT AMP SAMPLE & HOLD
RV049 2k7
CV001 390p
RV001 680R
DV048 LL4448
CV011 8p
RV002 4p7
CV002 1k
TV002 RN1402
RV003 100R
DV003 1N4448
CV004 22n
CV005 10u
TV003 BC848/B
RV006 3k9
RV005 3k6
RV004 10k
CV006 22n
TV006 BC848/B
RV007 2k7
RV008 3k3
JV046
JV025 JV057
JV027
CV007 10u
JV020 JV036 JV049
CV008 100u
LV008 33u
CV009 100n
JV026 JV045
CV010 10u
RV011 100R
TV011 BC858/B
RV010 1k
JV031
UPB_+5V
EDIT
SHRP/RC
PB_ON
REC_ON
V_EE_REC
CSYNC1
VIDEO_OUT
COL_ROT
PV
IV060P12
GND
JV011 JV017 JV032 JV035 JV051
①
②
③
④
⑤
⑥
⑦

ENTO VIDEO


CHARGED COUPLED DEVICE DELAY LINE
IV060
LC89970M
BIAS CENTER
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
CLAMP SYNC TIP
OUTPUT AMP SAMPLE & HOLD
842.5STAGES CCD
6STAGES CCD
858STAGES CCD
847STAGES CCD
2.5STAGES CCD
SHAPER WAVE
GENERATOR RD VOLTAGE
CLOCK DRIVER
COMPARATOR PHASE
DETECTOR DUTY CYCLE
GENERATOR TIMING
VCO
1/3
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
IV170
MC14094B
8 stage store shift register
IV171
MC14094B
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
DV123
1SS181
TV103
RN1402
TV164
RN1402
TV126
RN2402
TV171
BC558/B
TV170
RN1402
TV135
BC848/B
TV154
BC848/B
TV127
BC858/B
TV130
BC848/B
TV149
BC858/B
TV147
BC848/B
TV145
BC848/B
TV143
BC858/B
TV141
BC848/B
TV140
BC848/B
DV110
1N4448
DV126
LL4448
DV163
ZPD4.7V
WV030
U2_+5VS
U1_+12VS
VIDEO_VPS
HD
VD
CSYNC
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31.9STDM
MESECAM
EDIT
PAL_LP_ST
TRICK
NTSC_PB
SP_CLK
SP_DATA
STB_V
OSD_MIX_L
COL_OFF
UPB_+5V
PB_ON
V_EE_PB
VIDEO_OUT
OSD_VID
PV
BLKPV
IV060P12
SP_LP_EP
VIDEO_MODE
DRUM_FF
GND
8
7
6

POS	MONO	HIFI
RV186	47k	47k
RV187	82k	120k
RV191	X	150k

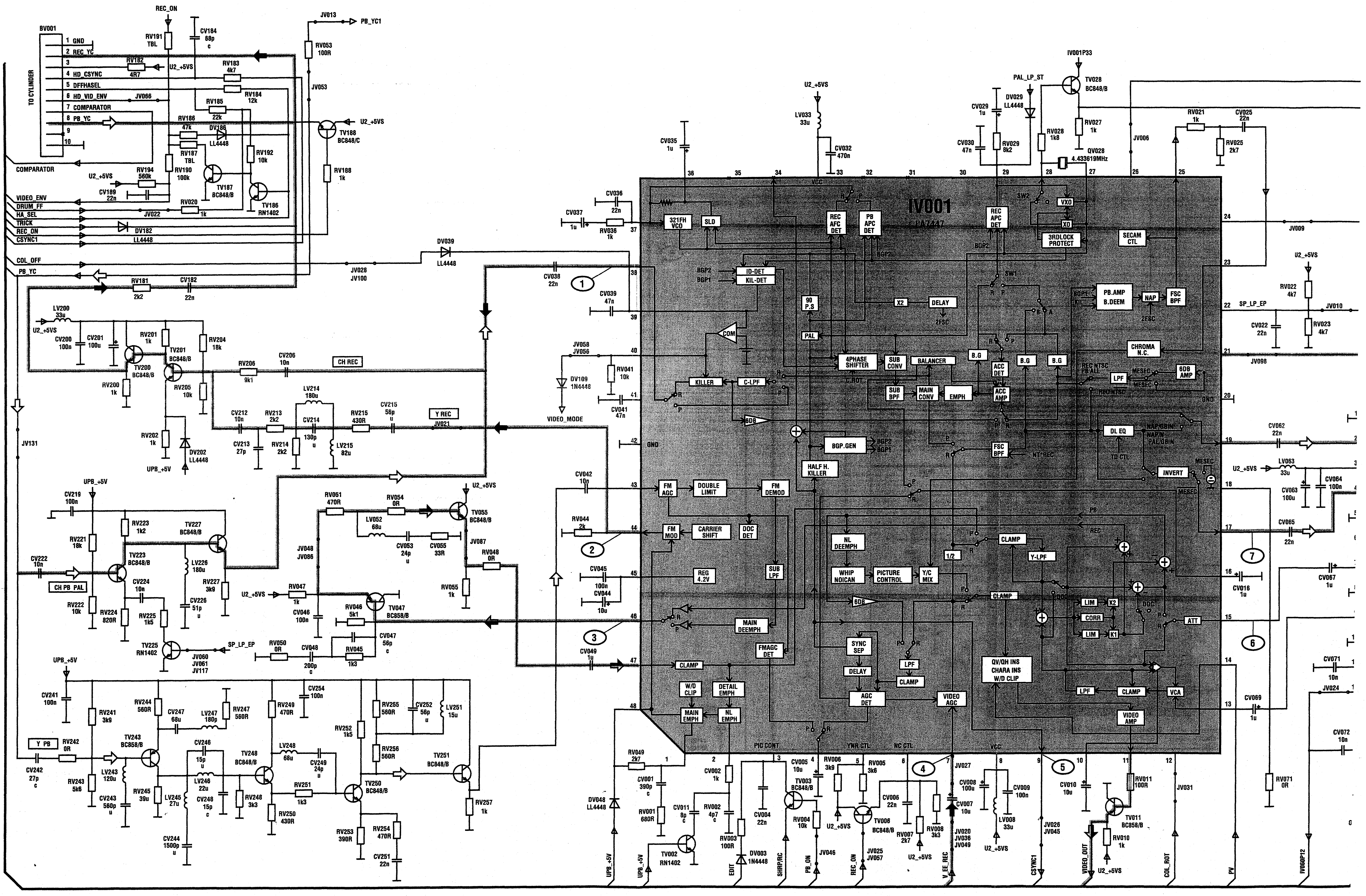
PB

REC

PB / REC

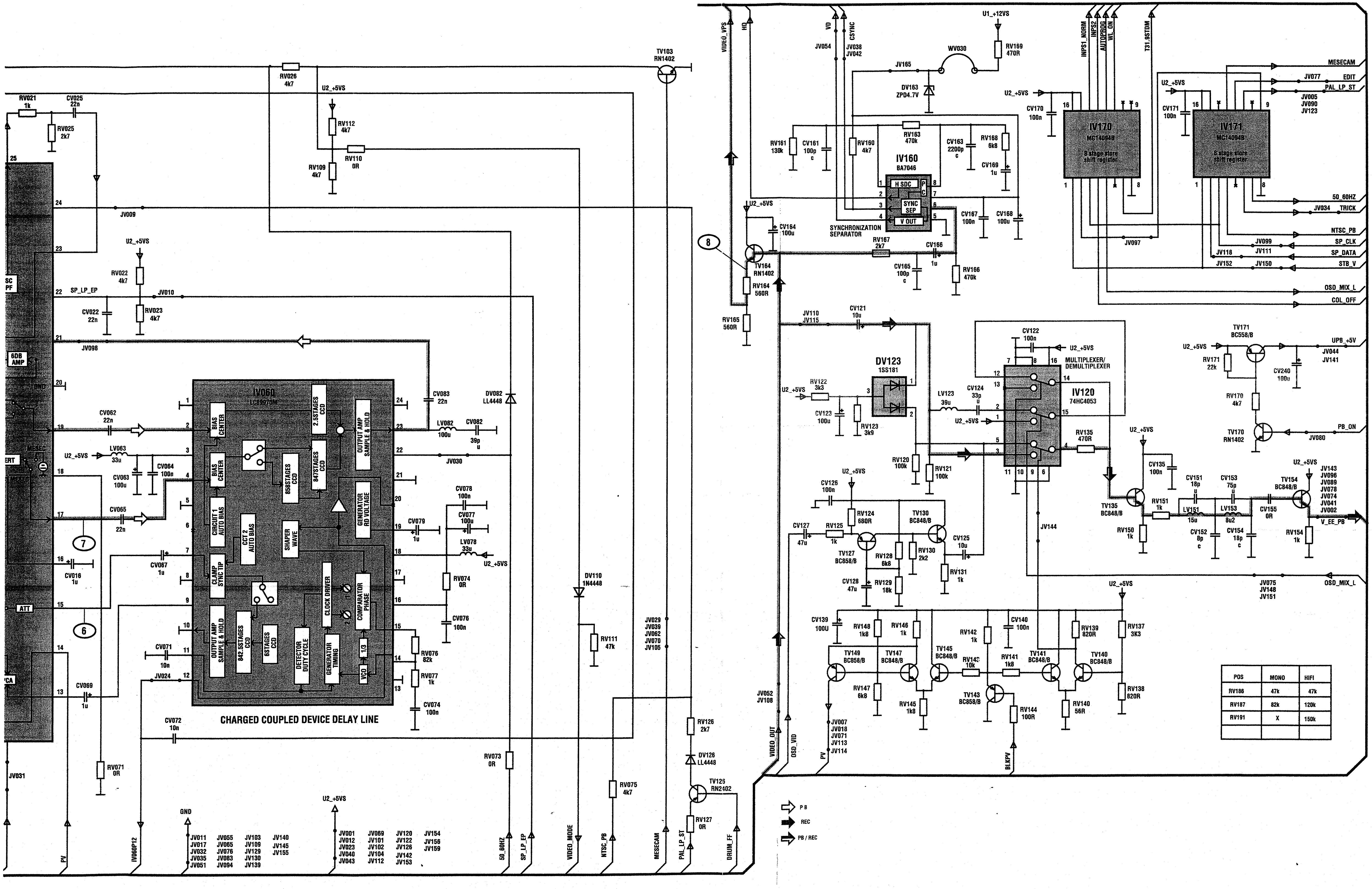
VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (M 9655 / VP 4681 / V 1450 SVM / V 1455 SENSAR)



REC_ON
BV001
TO CYLINDER
1 GND
2 REC_YC
3
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV
7 COMPARATOR
8 PB_YC
9
10
COMPARATOR
VIDEO_ENV
DRUM_FF
HA_SEL
TRICK
REC_ON
CSYNC1
COL_OFF
PB_YC
RV191 TBL
CV184 68p c
RV182 4R7
U2_+5VS
RV183 4k7
RV184 12k
RV185 22k
RV186 47k
DV186 LL4448
RV187 TBL
RV190 100k
RV192 10k
RV194 560k
CV189 22n
RV020 1k
JV022
DV182 LL4448
JV066
TV187 BC848/B
TV186 RN1402
TV188 BC848/C
RV188 1k
JV013
PB_YC1
RV053 100R
JV053
DV039 LL4448
JV028 JV100
RV181 2k2
CV182 22n
LV200 33u
U2_+5VS
CV200 100n
CV201 100u
RV201 1k
TV201 BC848/B
TV200 BC848/B
RV200 1k
RV204 18k
RV205 10k
RV206 9k1
CV206 10n
CH REC
RV202 1k
DV202 LL4448
UPB_+5V
LV214 180u
CV212 10n
RV213 2k2
CV214 130p u
RV215 430R
CV215 56p u
Y REC
JV021
CV213 27p
RV214 2k2
LV215 82u
JV131
UPB_+5V
CV219 100n
RV223 1k2
TV227 BC848/B
RV221 18k
CV222 10n
TV223 BC848/B
LV226 180u
CV224 10n
RV227 3k9
CH PB PAL
CV226 51p u
RV222 10k
RV224 820R
RV225 1k5
TV225 RN1402
SP_LP_EP
JV060 JV061 JV117
RV051 470R
RV054 0R
TV055 BC848/B
U2_+5VS
LV052 68u
CV053 24p u
CV055 33R
JV087
JV048 JV086
RV048 0R
RV055 1k
RV047 1k
TV047 BC858/B
CV046 100n
RV046 5k1
RV050 0R
CV048 200p c
RV045 1k3
CV047 56p c
UPB_+5V
CV241 100n
RV241 3k9
RV244 560R
CV247 68u
LV247 180p
RV247 560R
RV249 470R
CV254 100n
RV255 560R
CV252 56p u
LV251 15u
Y PB
RV242 0R
TV243 BC858/B
RV252 1k5
RV256 560R
CV242 27p c
RV243 5k6
LV243 120u
CV243 560p u
RV245 39u
LV245 27u
CV246 15p u
LV246 22u
CV248 15p c
TV248 BC848/B
LV248 68u
CV249 24p u
RV248 3k3
RV250 430R
RV251 1k3
TV250 BC848/B
TV251 BC848/B
RV257 1k
RV253 390R
RV254 470R
CV251 22n
CV244 1500p u
IV001
LA7447
IV001P33
PAL_LP_ST
TV028 BC848/B
DV029 LL4448
CV029 1u
RV027 1k
RV028 1k8
RV029 8k2
CV030 47n
QV028 4.433619MHz
RV021 1k
CV025 22n
RV025 2k7
JV006
U2_+5VS
LV033 33u
CV032 470n
CV035 1u
CV036 22n
CV037 1u
RV036 1k
CV038 22n
CV039 47n
JV058 JV056
RV041 10k
DV109 1N4448
VIDEO_MODE
CV041 47n
CV042 10n
RV044 2k
CV045 100n
CV044 10u
CV049 1u
VCC
GND
321FH VCO
SLD
REC AFC DET
PB APC DET
REC APC DET
SW2
VXO
XO
3RDLOCK PROTECT
SECAM CTL
BGP2
BGP1
ID-DET
KIL-DET
90 P.S
X2
DELAY
2FSC
SW1
PB.AMP B.DEEM
NAP
FSC BPF
COM
PAL
4PHASE SHIFTER
SUB CONV
BALANCER
B.G
ACC DET
CHROMA N.C.
LPF
6DB AMP
KILLER
C-LPF
C.ROT
SUB BPF
MAIN CONV
EMPH
ACC AMP
REC NTSC
PB ALL
MESEC
6DB
BGP.GEN
DL EQ
FSC BPF
NT REC
HALF H. KILLER
INVERT
TO CTL
FM AGC
DOUBLE LIMIT
FM DEMOD
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
1/2
REG 4.2V
SUB LPF
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
LIM
CORR
K1
K2
ATT
MAIN DEEMPH
SYNC SEP
DELAY
LPF
CLAMP
FMAGC DET
QV/QH INS CHARA INS W/D CLIP
W/D CLIP
DETAIL EMPH
AGC DET
VIDEO AGC
MAIN EMPH
NL EMPH
VCA
VIDEO AMP
PIC CONT
YNR CTL
NC CTL
①
②
③
④
⑤
⑥
⑦
JV009
U2_+5VS
RV022 4k7
SP_LP_EP
JV010
CV022 22n
RV023 4k7
JV098
CV062 22n
U2_+5VS
LV063 33u
CV063 100u
CV064 100n
CV065 22n
CV016 1u
CV067 1u
CV071 10n
JV024
CV069 1u
CV072 10n
RV071 0R
JV031
RV049 2k7
DV048 LL4448
CV001 390p c
RV001 680R
CV011 8p c
RV002 4p7 c
CV002 1k
TV002 RN1402
RV003 100R
DV003 1N4448
CV004 22n
CV005 10u
TV003 BC848/B
RV004 10k
RV006 3k9
RV005 3k6
U2_+5VS
JV046
TV006 BC848/B
CV006 22n
RV007 2k7
RV008 3k3
JV025 JV057
JV027
CV007 10u
JV020 JV036 JV049
CV008 100u
LV008 33u
CV009 100n
U2_+5VS
JV026 JV045
CV010 10u
RV011 100R
TV011 BC858/B
RV010 1k
U2_+5VS
UPB_+5V
UPB_+5V
EDIT
SHRP/RC
PB_ON
REC_ON
V_EE_REC
CSYNC1
VIDEO_OUT
COL_ROT
PV
IV00GP12

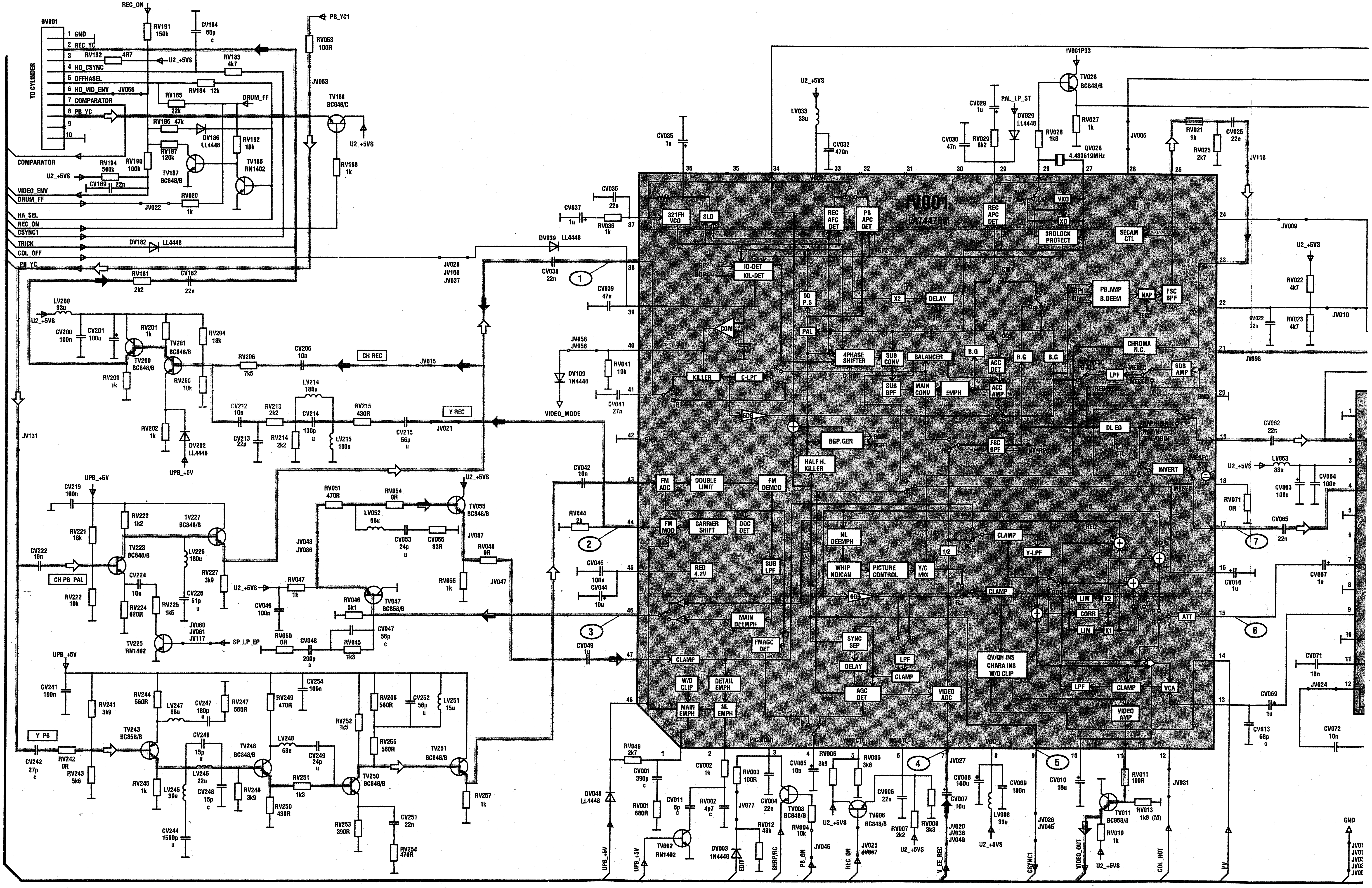
MIENTO VIDEO

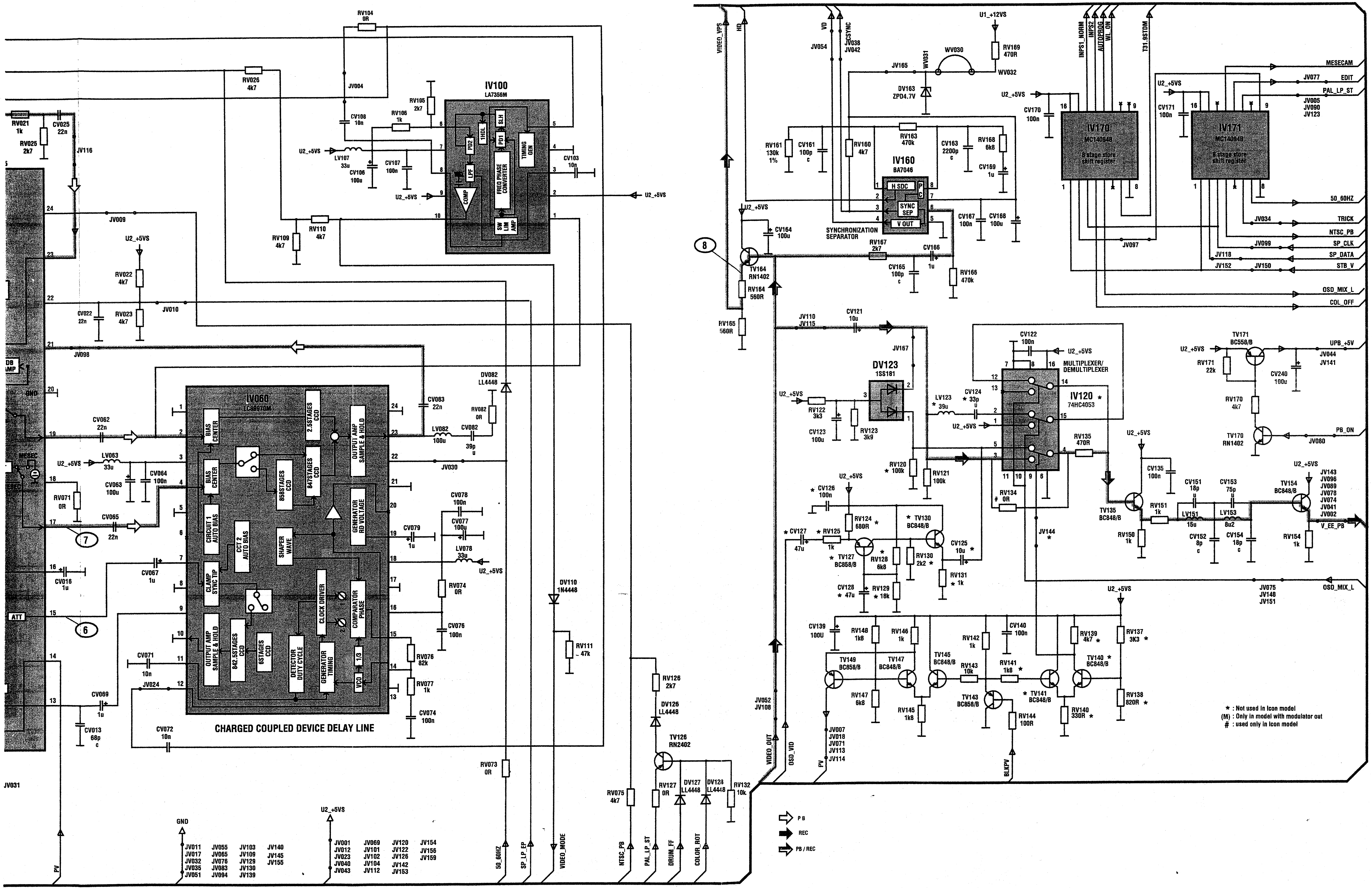

IV060
LC89970M
CHARGED COUPLED DEVICE DELAY LINE
BIAS CENTER
2.5STAGES CCD
OUTPUT AMP SAMPLE & HOLD
658STAGES CCD
847STAGES CCD
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
SHAPER WAVE
GENERATOR RD VOLTAGE
CLAMP SYNC TIP
CLOCK DRIVER
COMPARATOR PHASE
842.5STAGES CCD
6STAGES CCD
DETECTOR DUTY CYCLE
GENERATOR TIMING
VCO
1/3
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
IV170
MC14094B
8 stage store shift register
IV171
MC14094B
8 stage store shift register
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
DV123
1SS181
TV103
RN1402
TV164
RN1402
TV125
RN2402
TV171
BC558/B
TV170
RN1402
TV135
BC848/B
TV154
BC848/B
TV127
BC858/B
TV130
BC848/B
TV149
BC858/B
TV147
BC848/B
TV145
BC848/B
TV143
BC858/B
TV141
BC848/B
TV140
BC848/B
DV163
ZPD4.7V
DV082
LL4448
DV110
1N4448
DV126
LL4448
U1_+12VS
U2_+5VS
VIDEO_VPS
HD
VD
CSYNC
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31.9STDM
MESECAM
EDIT
PAL_LP_ST
50_60HZ
TRICK
NTSC_PB
SP_CLK
SP_DATA
STB_V
OSD_MIX_L
COL_OFF
UPB_+5V
PB_ON
V_EE_PB
OSD_MIX_L
VIDEO_OUT
OSD_VID
PV
BLKPV
SP_LP_EP
IV060P12
50_60HZ
VIDEO_MODE
NTSC_PB
MESECAM
PAL_LP_ST
DRUM_FF
GND
6DB AMP
ATT
MESEC
8
7
6
PB
REC
PB / REC

POS	MONO	HIFI
RV186	47k	47k
RV187	82k	120k
RV191	X	150k

VIDEO SIGNAL PROCESSING - TRAITEMENT LUMINANCE / CHROMINANCE - VIDEO SIGNALVERARBEITUNG - ELABORAZIONE VIDEO - TRATAMIENTO VIDEO

SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA (VP 4601)


BV001
1 GND
2 REC_YC
3 RV182 4R7
4 HD_CSYNC
5 DFFHASEL
6 HD_VID_ENV JV066
7 COMPARATOR
8 PB_YC
9
10
TO CYLINDER
REC_ON
RV191 150k
CV184 68p
PB_YC1
RV053 100R
JV053
RV183 4k7
U2_+5VS
RV184 12k
RV185 22k
DRUM_FF
TV188 BC848/C
RV186 47k
DV186 LL4448
RV192 10k
RV187 120k
TV187 BC848/B
TV186 RN1402
RV188 1k
COMPARATOR
RV194 560k
RV190 100k
CV189 22n
RV020 1k
JV022
VIDEO_ENV
DRUM_FF
HA_SEL
REC_ON
CSYNC1
TRICK
COL_OFF
PB_YC
DV182 LL4448
RV181 2k2
CV182 22n
LV200 33u
CV200 100n
CV201 100u
RV201 1k
TV201 BC848/B
TV200 BC848/B
RV204 18k
RV200 1k
RV205 10k
RV206 7k5
CV206 10n
CH REC
JV015
RV202 1k
DV202 LL4448
UPB_+5V
CV212 10n
RV213 2k2
LV214 180u
CV214 130p
RV215 430R
CV213 22p
RV214 2k2
LV215 100u
CV215 56p
Y REC
JV021
JV131
JV028 JV100 JV037
DV039 LL4448
CV038 22n
JV058 JV056
DV109 1N4448
RV041 10k
CV041 27n
VIDEO_MODE
CV219 100n
RV223 1k2
TV227 BC848/B
RV221 18k
CV222 10n
TV223 BC848/B
LV226 180u
CV224 10n
RV227 3k9
CV226 51p
CH PB PAL
RV222 10k
RV224 620R
RV225 1k5
JV060 JV061 JV117
TV225 RN1402
SP_LP_EP
RV051 470R
RV054 0R
LV052 68u
CV053 24p
CV055 33R
TV055 BC848/B
JV048 JV086
JV087
RV048 0R
RV047 1k
RV055 1k
JV047
CV046 100n
RV046 5k1
TV047 BC858/B
CV047 56p
RV050 0R
CV048 200p
RV045 1k3
CV042 10n
RV044 2k
CV045 100n
CV044 10u
CV049 1u
CV241 100n
RV241 3k9
RV244 560R
LV247 68u
CV247 180p
RV247 560R
RV249 470R
CV254 100n
RV255 560R
CV252 56p
LV251 15u
Y PB
RV242 0R
CV242 27p
RV243 5k6
TV243 BC858/B
CV246 15p
LV246 22u
TV248 BC848/B
LV248 68u
CV249 24p
RV252 1k5
RV256 560R
TV251 BC848/B
RV245 1k
LV245 39u
CV248 15p
RV248 3k9
RV251 1k3
TV250 BC848/B
RV250 430R
RV257 1k
CV244 1500p
RV253 390R
CV251 22n
RV254 470R
IV001
LA7447BM
321FH VCO
SLD
REC AFC DET
PB AFC DET
REC APC DET
VXO
XO
3RDLOCK PROTECT
SECAM CTL
ID-DET
KIL-DET
90 P.S
X2
DELAY
PB.AMP B.DEEM
NAP
FSC BPF
COM
PAL
4PHASE SHIFTER
SUB CONV
BALANCER
B.G
ACC DET
ACC AMP
CHROMA N.C.
6DB AMP
LPF
KILLER
C-LPF
SUB BPF
MAIN CONV
EMPH
6DB
BGP.GEN
FSC BPF
DL EQ
INVERT
HALF H. KILLER
FM AGC
DOUBLE LIMIT
FM DEMOD
FM MOD
CARRIER SHIFT
DOC DET
NL DEEMPH
CLAMP
Y-LPF
REG 4.2V
SUB LPF
WHIP NOICAN
PICTURE CONTROL
Y/C MIX
1/2
MAIN DEEMPH
LIM
CORR
K1
K2
ATT
FMAGC DET
SYNC SEP
LPF
CLAMP
W/D CLIP
DETAIL EMPH
DELAY
QV/QH INS CHARA INS W/D CLIP
MAIN EMPH
NL EMPH
AGC DET
VIDEO AGC
VCA
VIDEO AMP
PIC CONT
YNR CTL
NC CTL
VCC
GND
IV001P33
TV028 BC848/B
U2_+5VS
LV033 33u
CV035 1u
CV032 470n
CV029 1u
PAL_LP_ST
DV029 LL4448
RV027 1k
CV030 47n
RV029 8k2
RV028 1k8
QV028 4.433619MHz
JV006
RV021 1k
CV025 22n
RV025 2k7
JV116
CV036 22n
CV037 1u
RV036 1k
CV039 47n
JV009
RV022 4k7
CV022 22n
RV023 4k7
JV010
JV098
CV062 22n
LV063 33u
CV063 100u
CV064 100n
RV071 0R
CV065 22n
CV016 1u
CV067 1u
CV071 10n
JV024
CV069 1u
CV013 68p
CV072 10n
RV049 2k7
CV001 390p
RV001 680R
CV011 8p
RV002 4p7
CV002 1k
RV003 100R
JV077
CV004 22n
TV003 BC848/B
RV012 43k
RV004 10k
CV005 10u
RV006 3k9
RV005 3k6
TV006 BC848/B
CV006 22n
RV007 2k2
RV008 3k3
JV027
CV008 100u
CV007 10u
CV009 100n
LV008 33u
CV010 10u
RV011 100R
TV011 BC858/B
RV013 1k8 (M)
RV010 1k
JV031
JV020 JV036 JV049
JV026 JV045
DV048 LL4448
TV002 RN1402
DV003 1N4448
JV046
JV025
UPB_+5V
EDIT
SHRP/RC
PB_ON
REC_ON
V_EE_REC
CSYNC1
VIDEO_OUT
COL_ROT
PV
GND
①
②
③
④
⑤
⑥
⑦


IV100
LA7356M
PD2
1HDL
SLH
PD1
TIMING GEN
LPF
FREQ PHASE CONVERTER
COMP
SW LIM AMP
IV060
LC89970M
BIAS CENTER
2.5STAGES CCD
OUTPUT AMP SAMPLE & HOLD
858STAGES CCD
847STAGES CCD
GENERATOR RD VOLTAGE
CIRCUIT 1 AUTO BIAS
CCT 2 AUTO BIAS
SHAPER WAVE
CLAMP SYNC TIP
CLOCK DRIVER
COMPARATOR PHASE
842.5STAGES CCD
6STAGES CCD
DETECTOR DUTY CYCLE
GENERATOR TIMING
VCO
1/3
CHARGED COUPLED DEVICE DELAY LINE
IV160
BA7046
H SDC
SYNC SEP
V OUT
SYNCHRONIZATION SEPARATOR
IV170
MC14094B
8 stage store shift register
IV171
MC14094B
8 stage store shift register
DV123
1SS181
IV120
74HC4053
MULTIPLEXER/ DEMULTIPLEXER
MESECAM
EDIT
PAL_LP_ST
50_60HZ
TRICK
NTSC_PB
SP_CLK
SP_DATA
STB_V
OSD_MIX_L
COL_OFF
UPB_+5V
PB_ON
V_EE_PB
VIDEO_VPS
HD
VD
CSYNC
INPS1_NORM
INPS2
AUTOPROG
WL_ON
T31.9STDM
VIDEO_OUT
OSD_VID
PV
BLKPV
50_60HZ
SP_LP_EP
VIDEO_MODE
NTSC_PB
PAL_LP_ST
DRUM_FF
COLOR_ROT
U2_+5VS
U1_+12VS
GND
PB
REC
PB / REC
* : Not used in Icon model
(M) : Only in model with modulator out
# : used only in Icon model

Ersatzteile • Spare parts list • Liste de pièces de rechange
Lista parti di ricambio • Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N. B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer et tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero correspondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		MOD./AUSTAUSCHTEILE:	**EXCHANGE PARTS:**	**ECHANGE PLATINE:**
V1250SVM	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
V1450SVM	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
V1455SEN	203.465.40	FE5100 TUNER	FE5100 TUNER	FE5100 TUNER
-	204.390.80 S	SMPS R5R1 NETZTEIL KPL.	SMPS R5R1 POWER ASSY	SMPS R5R1 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
VR7021	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.60 S	SMPS R5P4 NETZTEIL KPL.	SMPS R5P4 POWER ASSY	SMPS R5P4 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
VR7041	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.60 S	SMPS R5P4 NETZTEIL KPL.	SMPS R5P4 POWER ASSY	SMPS R5P4 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
M9523	201.673.90	FE4212 TUNER (HF-MODULATOR)	FE4212 TUNER	FE4212 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.573.40	IF4153M ZF-EINHEIT	IF4153M UNIT IF	IF4153M UNITE MF
M9625	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
M9655	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
T8000	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
VP2601	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
VP2651	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
VP4601	201.803.20	FE4202 TUNER (HF-MODULATOR)	FE4202 TUNER	FE4202 TUNER
-	201.901.60	IF4112 ZF-EINHEIT	IF4112 UNIT IF	IF4112 UNITE MF
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
VP4681	205.596.90	FE5201 TUNER (MODULATOR)	FE5201 TUNER	FE5201 TUNER
-	204.272.40 S	SMPS R5P3 NETZTEIL KPL.	SMPS R5P3 POWER ASSY	SMPS R5P3 D'ALIMENTATION EQ.
-	205.327.20	IF4101A ZF-EINHEIT	IF4101A UNIT IF	IF4101A UNITE MF
		MOD./KEIN AUSTAUSCH:	**MODULES:**	**PLATINE:**
V1455SEN	204.358.50	FCB R5BV1 LTP.FRONT	FCB R5BV1 PCB JACK	FCB R5BV1 PLATINE PRISE
V1455SEN	204.430.80	JSB R5BV1 LTP.JOG SHUTTLE	JSB R5BV1 PCB JOG SHUTTLE	JSB R5BV1 PL. JOG SHUTTLE
M9625	206.057.30	FCB R5DU1 LTP.FRONT CONNECTION	FCB R5DU1 PCB JACK	FCB R5DU1 PLATINE PRISE
M9655	206.057.30	FCB R5DU1 LTP.FRONT CONNECTION	FCB R5DU1 PCB JACK	FCB R5DU1 PLATINE PRISE
T8000	205.706.40	FCB R5DD1 LTP.FRONT CONNECTION	FCB R5DD1 PCB JACK	FCB R5DD1 PLATINE PRISE
VP2601	205.480.60	FCB R5DV1 LTP.FRONT CONNECTION	FCB R5DV1 PCB JACK	FCB R5DV1 PLATINE PRISE
VP2651	205.480.50	FCB R5CV1 LTP.FRONT CONNECTION	FCB R5CV1 PCB JACK	FCB R5CV1 PLATINE PRISE
VP4601	205.287.40	FCB R5AD1 LTP. FRONT	FCB R5AD1 PCB JACK	FCB R5AD1 PLATINE PRISE
VP4681	205.480.50	FCB R5CV1 LTP.FRONT CONNECTION	FCB R5CV1 PCB JACK	FCB R5CV1 PLATINE PRISE
		MECHANISCHE TEILE:	**MECHANICAL PARTS:**	**PIECES MECANIQUES:**
V1250SVM	206.464.00	FRONTPLATTE V1250SVM KPL.	FRONT PANEL ASSY	FACADE EQ.
-	206.327.50	Gehäuseoberteil	Top cover	Coffret superieur
-	206.573.90	Klappe Cassettenfach V1250SVM	Flap cassette print	Clapet du compartiment à cassette
-	308.985.00	Feder, Cassettenklappe	Spring	Ressort
V1450SVM	206.463.90	FRONTPLATTE V1450SVM KPL.	FRONT PANEL ASSY	FACADE EQ.
-	206.327.50	Gehäuseoberteil	Top cover	Coffret superieur
-	206.573.20	Klappe Cassettenfach V1450SVM	Flap cassette print	Clapet du compartiment à cassette
-	308.985.00	Feder, Cassettenklappe	Spring	Ressort
V1455SEN	204.257.60	FRONTPLATTE V1455SEN KPL.	FRONT PANEL ASSY	FACADE EQ.
-	202.138.10	Magnet CATCH	Magnet catch	Aimant
-	203.297.20	Drehfeder R5000/M650	Spring torsion	Ressort de torsion
-	203.519.70	Magnet kpl. R4000 CAT2	Magnet door	Aimant
-	204.973.60	Bedienteilklappe R5249G	Door	Volet
-	204.974.10	Klappe Cassettenfach V1455SENSAR	Flap cassette print	Clapet du compartiment à cassette
-	203.622.10	Gehäuseoberteil R5000	Top cover	Coffret superieur
-	203.860.90	Hebel SHUTTLE	Lever SHUTTLE	Levier SHUTTLE
-	204.458.50	Knopf JOG	Knob JOG	Bouton JOG
VR7021	206.143.20	FRONTPLATTE VR7021 KPL.	FRONT PANEL ASSY	FACADE EQ.
-	203.297.20	Drehfeder R5000/M650	Spring torsion	Ressort de torsion
-	205.507.60	Gehäuseoberteil R5444GR	Top cover	Coffret superieur
-	206.143.70	CASSETTENKLAPPE	CASSETTE DOOR	VOLET CASS
VR7041	205.507.40	FRONTPLATTE VR7041 KPL.	FRONT PANEL ASY	FACADE EQUIPEE
-	203.297.20	Drehfeder R5000/M650	Spring torsion	Ressort de torsion
-	205.507.60	Gehäuseoberteil R5444GR	Top cover	Coffret superieur
-	206.000.90	Klappe Cassettenfach VR7041	Flap cassette print	Clapet du compartiment à cassette
M9523	205.888.90	FRONTPLATTE M9523 KPL.	FRONT PANEL ASY	FACADE EQ.
-	203.297.20	Drehfeder R5000/M650	Spring torsion	Ressort de torsion
-	205.991.70	Klappe Cassettenfach M9523	Flap cassette print	Clapet du compartiment à cassette
-	206.471.20	Gehäuseoberteil R5174G	Top cover	Coffret superieur
M9625	206.368.90	FRONTPLATTE M9625 KPL.	FRONT PANEL ASSY	FACADE EQ.
-	206.471.20	Gehäuseoberteil R5174G	Top cover	Coffret superieur
M9655	206.132.70	FRONTPLATTE M9655 KPL.	FRONT PANEL ASSY	FACADE EQ.
-	204.167.40	Filter Display T4324U	Display filter	Filtre display
-	206.471.20	Gehäuseoberteil R5174G	Top cover	Coffret superieur
T8000	205.918.50	FRONTPLATTE T8000 KPL	FRONT PANEL ASSY	FACADE EQ
-	202.014.90	Drehfeder, R4000	Spring torsion	Ressort de torsion
-	205.332.10	Gehäuseoberteil R4414PS2	Top cover	Coffret superieur
-	205.374.80	Bedient.-Klappe rechts R4144G2	Door right	Volet droit
-	206.061.50	Bedient.-Klappe links R5103GR	Door left	Volet gauche
-	206.061.80	Klappe Cassettenfach T8000	Flap cassette print	Clapet du compartiment à cassette

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part
VP2601	206.289.60	FRONTPLATTE VP2601 KPL	FRONT PANEL ASSY
-	203.297.20	Drehfeder R5000/M650	Spring torsion
-	203.622.10	Gehäuseoberteil R5000	Top cover
-	206.286.80	Klappe Cassettenfach VP2601	Flap cassette print
VP2651	206.294.90	FRONTPLATTE VP2651 KPL.	FRONT PANEL ASSY
-	202.138.10	Magnet CATCH	Magnet catch
-	203.297.20	Drehfeder R5000/M650	Spring torsion
-	203.519.70	Magnet kpl. R4000 CAT2	Magnet door
-	203.622.10	Gehäuseoberteil R5000	Top cover
-	203.862.50	Filterscheibe R5000 TOP Satellit	Filter Top R5000
-	205.837.70	Bedienteilklappe R5024U	Flap
-	206.286.10	Klappe Cassettenfach VP2651	Flap cassette print
VP4601	206.322.40	FRONTPLATTE VP4601 KPL.	FRONT PANEL ASSY
-	202.014.90	Drehfeder, R4000	Spring torsion
-	205.332.10	Gehäuseoberteil R4414PS2	Top cover
-	206.420.20	Bedient.-Klappe rechts R5003MER	Door right
-	206.420.30	Bedient.-Klappe links R5003MER	Door left
-	206.420.70	Klappe Cassettenfach VP4601	Flap cassette print
VP4681	206.328.50	FRONTPLATTE VP4681 KPL.	FRONT PANEL ASSY
-	202.138.10	Magnet CATCH	Magnet catch
-	203.297.20	Drehfeder R5000/M650	Spring torsion
-	203.519.70	Magnet kpl. R4000 CAT2	Magnet door
-	203.622.10	Gehäuseoberteil R5000	Top cover
-	203.862.50	Filterscheibe R5000 TOP Satellit	Filter Top R5000
-	205.837.70	Bedienteilklappe R5024U	Flap
-	206.361.30	Klappe Cassettenfach VP4681	Flap cassette print
V1250SVM	101.452.50	Kopftrommel S2PS TTN4, kpl.	Drum assy, 2HD
V1450SVM	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
V1455SEN	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
VR7021	101.452.50	Kopftrommel S2PS TTN4, kpl.	Drum assy, 2HD
VR7041	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
M9523	101.452.50	Kopftrommel S2PS TTN4, kpl.	Drum assy, 2HD
M9625	101.453.20	Kopftrommel S2P LP TTN4, kpl.	Drum assy, 2HD
M9655	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
T8000	101.452.50	Kopftrommel S2PS TTN4, kpl.	Drum assy, 2HD
VP2601	101.452.50	Kopftrommel S2PS TTN4, kpl.	Drum assy, 2HD
VP2651	101.453.20	Kopftrommel S2P LP TTN4, kpl.	Drum assy, 2HD
VP4601	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
VP4681	101.453.40	Kopftrommel W4P TTN, kpl.	Drum assy, 4HD
B410/2	201.871.70	Lademotor kpl. R4000	Loading drive motor asy
B424/2	201.872.40	Lademotor R4000	Loading motor
B432/2	201.872.90	Kurvenradschalter SW-LOADING	Cam sw
B440/2	201.873.30	Nockenzahnrad R4000	Cam gear
B450/2	201.873.20	Zahnrad kpl. S-LOADING	Gear asy
B470/2	201.874.40	Zahnrad kpl. T-LOADING	Gear asy
B560/2	202.029.80	Motor, Capstan R4000	Capstan motor
B580/2	201.887.20	Antriebsriemen R4000	Belt
G420/2	201.865.10	Führungsrollenplatte kpl. Abw.Seite	Supply slider asy
G450/2	201.866.30	Führungsrollenplatte kpl. Aufw.Seite	Take up slider asy
G480/1	202.962.80	ACE-Kopf V3 S-COMBAT	Audio/Control head
G530/1	201.887.40	Voll-Löschkopf R4000	Full erase head
G560/1	201.870.20	Andruckrolle kpl. R4000	Pinch lever asy
G590/1	201.871.50	Feder PINCH	Spring
K110/2	201.861.10	Bandteller kpl. Abw.Seite	Supply reel asy
K140/2	201.862.20	Bandteller kpl Aufw.Seite	Take up reel asy
K180/2	201.862.80	Schwenkkupplungsrolle kpl.	Idler arm asy
K200/2	201.864.60	Riemenscheibe CENTER	Gear pulley
K252/2	201.868.40	Spannband kpl. R4000	Brake band asy
K254/2	201.868.60	Halter, Bremsband R4000	Holder
K260/2	203.923.70	Feder V3 TENSION LEVER	Spring
K270/2	201.869.10	Verriegelungshebel TENSION LEVER	Hook
K280/2	201.869.20	Hebel HOOK	Lever

	Part	Désignation
TE VP2601 KPL	FRONT PANEL ASSY	FACADE EQ
R5000/M650	Spring torsion	Ressort de torsion
rteil R5000	Top cover	Coffret superieur
ettenfach VP2601	Flap cassette print	Clapet du compartiment à cassette
TE VP2651 KPL.	FRONT PANEL ASSY	FACADE EQ.
CATCH	Magnet catch	Aimant
R5000/M650	Spring torsion	Ressort de torsion
R4000 CAT2	Magnet door	Aimant
rteil R5000	Top cover	Coffret superieur
R5000 TOP Satellit	Filter Top R5000	Glace décorée (Affcheur)
ppe R5024U	Flap	Volet
ettenfach VP2651	Flap cassette print	Clapet du compartiment à cassette
TE VP4601 KPL.	FRONT PANEL ASSY	FACADE EQ.
4000	Spring torsion	Ressort de torsion
teil R4414PS2	Top cover	Coffret superieur
pe rechts R5003MER	Door right	Volet droit
pe links R5003MER	Door left	Volet gauche
ettenfach VP4601	Flap cassette print	Clapet du compartiment à cassette
TE VP4681 KPL.	FRONT PANEL ASSY	FACADE EQ.
CATCH	Magnet catch	Aimant
R5000/M650	Spring torsion	Ressort de torsion
R4000 CAT2	Magnet door	Aimant
teil R5000	Top cover	Coffret superieur
R5000 TOP Satellit	Filter Top R5000	Glace décorée (Affcheur)
pe R5024U	Flap	Volet
ettenfach VP4681	Flap cassette print	Clapet du compartiment à cassette
S2PS TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
S2PS TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
S2PS TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
S2P LP TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
S2PS TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
S2PS TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
S2P LP TTN4, kpl.	Drum assy, 2HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
W4P TTN, kpl.	Drum assy, 4HD	Tambour de têtes, eq.
l. R4000	Loading drive motor asy	Ens commande fonctions equipe
R4000	Loading motor	Moteur
alter SW-LOADING	Cam sw	Came
ad R4000	Cam gear	Came
S-LOADING	Gear asy	Roue dentee eq.
T-LOADING	Gear asy	Roue dentee eq.
an R4000	Capstan motor	Moteur cabestan
n R4000	Belt	Courroie
nplatte kpl. Abw.Seite	Supply slider asy	Supply slider eq.
nplatte kpl. Aufw.Seite	Take up slider asy	Take up slider eq.
S-COMBAT	Audio/Control head	Tête de contrôle et audio
f R4000	Full erase head	Tete d'effacement
kpl. R4000	Pinch lever asy	Galet presseur eq.
PINCH	Spring	Ressort
. Abw.Seite	Supply reel asy	Porte-bobine debiteur eq.
Aufw.Seite	Take up reel asy	Porte-bobine recepteur eq.
lungsrolle kpl.	Idler arm asy	Poulie intermediaire eq.
e CENTER	Gear pulley	Poulie
l. R4000	Brake band asy	Frein tension bande eq.
band R4000	Holder	Support
TENSION LEVER	Spring	Ressort
hebel TENSION LEVER	Hook	Maintien commande porte-cassette
HOOK	Lever	Levier

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
K330/2	201.877.10	Hauptbremse ABWICKELN	Main brake supply	Frein debiteur
K340/2	201.877.30	Hauptbremse AUFWICKELN	Main brake take up	Frein recepteur
K350/2	201.877.40	Feder	Spring	Ressort
K360/2	201.876.20	Bremshebel SU SOFT BRAKE	Brake lever	Levier de frein
K370/2	201.877.60	Feder	Spring	Ressort
K380/2	201.877.70	Bremshebel TU Softbrake	Lever soft brake	Levier de frein
K390/2	201.879.10	Feder	Spring	Ressort
K410/2	201.879.20	Schieber CAM	Slider cam	Coulisseau
K420/2	201.879.30	Feder	Spring	Ressort
K430/2	201.876.50	Hebel IDLE-UP DOWN	Lever	Levier
K440/2	201.876.60	Hebel IDLE KICK	Lever	Levier
K450/2	201.879.40	Hebel IDLE CENTERING	Lever	Levier
K490/2	201.880.90	Cassettenhalter	Cassette holder	Porte-cassette
K530/2	201.875.40	Antriebsachse kpl. CASS.-SCHACHT	Drive arm asy	Actionnement axe cpl.
K550/2	201.885.20	Zahnrad LEVER DRIVE	Gear	Roue dentee
K562/2	201.885.30	Hebel ARM BRAKE	Lever	Levier
K564/2	201.885.40	Drehfeder	Torsion spring	Ressort de torsion
K570/2	201.885.50	Halter Cassette TOP	Pun bracket top	Support
K590/2	201.887.50	Hebel DOOR OPEN	Lever	Levier
		ELEKTRISCHE TEILE:	**ELECTRICAL PARTS:**	**PIECES ELECTRIQUES:**
V1250SVM		**MB R5H28 LTP. MAIN**	**MB R5H28 P.C.B. MAIN**	**MB R5H28 PLATINE MAIN**
BS031A	101.207.90	Folienkabel 7x1,25mm 150mm wh	FFC-Jumper 7-pole	Ligne de câble, 7pôles
BT002A	101.674.20	Folienkabel 6x1,25mm 124mm wh	FFC-Jumper 6-pole	Ligne de câble, 6pôles
BT003A	101.612.60	Folienkabel 14x1,25mm 150mm wh	FFC-Jumper 14-pole	Ligne de câble, 14pôles
CT043	202.764.60	220MI 5,5V Elko MEMORY	220MI 5,5V E Cap	220MI 5,5V Condens. chimique
DG030,034	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DG035	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DT001-003	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DT006	440.299.01	1N4448 Diode	1N4448 Diode	1N4448 Diode
DT008	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DT009	440.357.02	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode
DT010-012	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DT013	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DT014,015	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DT016	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DT017,018	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DV003,039	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV048,082	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV109,110	440.299.01	1N4448 Diode	1N4448 Diode	1N4448 Diode
DV123	103.775.00	1SS181 Diode SMD	1SS181 Diode	1SS181 Diode
DV163	205.116.80	MTZJ4,7C Z-Diode	MTZJ4,7C Z-Diode	MTZJ4,7C Z-Diode
DV202	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DW001	309.486.80	ZPD12 2% Z-Diode	ZPD12 2% Z-Diode	ZPD12 2% Z-Diode
DW002	440.299.01	1N4448 Diode	1N4448 Diode	1N4448 Diode
DW005	440.357.02	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode
DW006	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DW007,008	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DW013,014	440.088.04	1N4001 Diode	1N4001 Diode	1N4001 Diode
DZ002	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DZ004,005	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DZ006	440.270.02	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode
FZ051	504.160.00	5,74MHZ Keramikfilter TPW04B	5,74MHZ Ceramic filter	5,74MHZ Filtre ceramique
GT001	202.151.60	HW-300B (F+1/2E) Hall Sensor	HW-300B Hall Sensor	HW-300B Hall Palpeur
GT002	106.272.00	GL451V IR-Diode	GL451V IR-Diode	GL451V IR-Diode
GT003,004	101.376.70	GP1S562 Photo Coupler	GP1S562 Photo Coupler	GP1S562 Photo Coupler
GT005,006	307.442.00	PT493F PH-Transistor	PT493F PH-Transistor	PT493F PH-Transistor
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
IT002	202.647.60	TA7291S IC	TA7291S IC	TA7291S CI
IT003	202.577.60	TB6515AP IC	TB6515AP IC	TB6515AP CI
IT004	203.168.70	ST24C08/CB1 IC	ST24C08/CB1 IC	ST24C08/CB1 CI
IT005	202.504.10	PST7032MT IC	PST7032MT IC	PST7032MT CI
IV001	205.424.50	LA7447B IC	LA7447B IC	LA7447B CI
IV060	203.416.30	LC89970M-SK IC	LC89970M-SK IC	LC89970M-SK CI
IV120	701.300.00	74HC4053 IC FLAT	74HC4053 IC	74HC4053 CI
IV160	404.404.40	BA7046 IC	BA7046 IC	BA7046 CI
IV170,171	200.160.20	MC14094/BD IC	MC14094/BD IC	MC14094/BD CI
IY001	101.443.30	SDA5648X IC	SDA5648X IC	SDA5648X CI
LS030	200.185.60	Bias Oszillator Spule	Bias Oscillator Coil	Bias Bobine Oscillatrice

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
MT001	101.505.60	Statorkern TTN4	Stator core TTN4	Stator core TTN4
PS034	420.491.00	33K 30% 0,1W Potentiometer V	33K Potentiometer	33K Potentiometre
QT001	203.258.40	17,734475MHZ Quarz	17,734475MHZ Crystal	17,734475MHZ Quartz
QT002	480.796.00	32,768KHZ Quarz	32,768KHZ Crystal	32,768KHZ Quartz
QT003	202.647.70	16MHZ Quarz	16MHZ Crystal	16MHZ Quartz
QV028	200.723.60	4,433619MHZ Quarz	4,433619MHZ Crystal	4,433619MHZ Quartz
RS045	150.096.60 S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resistor	18R 0,3W 5% Resistance fusible
RT089	410.226.09 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Resistance fusible
RW012	410.555.09 S	56R 0,3W 5% Sicherheitswiderstand	56R 0,3W 5% Fusible resistor	56R 0,3W 5% Résistance fusible
RW021	410.226.09 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Resistance fusible
RW029	204.897.90 S	R510 1W +5% Metallfilmwiderstand	R510 1W +5% Metal film resistor	R510 1W +5% Resistance metall.
ST001	101.376.10	SPPB62 Druckschalter	SPPB62 Push switch	SPPB62 Commutateur poussoir
TG029,030	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TG031	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TS030	202.475.50	2SC2859Y Transistor SMD	2SC2859Y Transistor	2SC2859Y Transistor
TS039	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TS119	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TT001,002	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
TT003	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TT005	160.037.40	2SA1020Y Transistor	2SA1020Y Transistor	2SA1020Y Transistor
TT006	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TT010	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TT011,012	204.381.66	BC848/C Transistor SMD	BC848/C Transistor	BC848/C Transistor
TT013	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV002	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV003,006	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV011	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV028	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV047	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV055	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV103	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV127	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV130,135	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV140,141	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV143	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV145,147	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV149	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV154	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV164,170	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV171	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
TV188	204.381.66	BC848/C Transistor SMD	BC848/C Transistor	BC848/C Transistor
TV200,201	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV223	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV227	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV243	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV248	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV250,251	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TW001	204.381.66	BC848/C Transistor SMD	BC848/C Transistor	BC848/C Transistor
TW002	508.354.00	RN2403 Transistor SSD	RN2403 Transistor	RN2403 Transistor
TW003,005	603.908.00	2SC2236-Y Transistor	2SC2236-Y Transistor	2SC2236-Y Transistor
TW006	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TW009	403.834.00	RN1405 Transistor SSD	RN1405 Transistor	RN1405 Transistor
TZ001	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TZ019	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TZ031	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TZ032	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TZ033	603.908.00	2SC2236-Y Transistor	2SC2236-Y Transistor	2SC2236-Y Transistor
TZ050	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TZ051	508.546.83	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TZ057	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
V1250SVM		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
BX205	600.689.00	Buchse Euro AV BK2093 SCART	Scart socket	Prise femelle peritelevision
BX206	102.517.20	Buchse Euro AV BU2093 SCART	Scart socket	Prise femelle peritelevision
IS001	101.220.10	BA7795LS IC	BA7795LS IC	BA7795LS CI
IX020	110.079.92	HEF4052/BT IC SMD	HEF4052/BT IC	HEF4052/BT CI
IX040	202.303.00	HEF4053/BT IC	HEF4053/BT IC	HEF4053/BT CI
IX201	101.066.70	STV6400 IC	STV6400 IC	STV6400 CI
TS040	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
TS045	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TX013	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX050,070	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX200	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
V1250SVM		**KDB R5AL1 LTP. KDB**	**KDB R5AL1 P.C.B. KDB**	**KDB R5AL1 P.KDB**
DK066	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
GKF01	200.812.40	Fluoreszenzanzeige/Display 11-MT-83GK	Fluorescent display panel	Affichage
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
QK001	100.654.00	8MHZ Resonator	8MHZ Resonator	8MHZ Quartz
SK001-008	204.045.10	Mikroschalter	Micro switch	Micro-contacteur
ZK001	804.444.80	GP1U583X IC-Vorverstärker	GP1U583X IC Infrared receiver	GP1U583X CI Recept. infrar.
V1450SVM		**MB R5H29 LTP. MAIN**	**MB R5H29 P.C.B. MAIN**	**MB R5H29 PLATINE MAIN**
DV029	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV126-128	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV182,186	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
TN430	202.475.50	2SC2859Y Transistor SMD	2SC2859Y Transistor	2SC2859Y Transistor
TN439	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV126	202.058.00	RN2402 Transistor SSD	RN2402 Transistor	RN2402 Transistor
TV186	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV187	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
V1450SVM		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
V1450SVM		**KDB R5AL1 LTP. KDB**	**KDB R5AL1 P.C.B. KDB**	**KDB R5AL1 P.KDB**
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
SK001-008	204.045.10	Mikroschalter	Micro switch	Micro-contacteur
ZK001	804.444.80	GP1U583X IC-Vorverstärker	GP1U583X IC Infrared receiver	GP1U583X CI Recept. infrar.
V1455SEN		**MB R5H8 LTP. MAIN**	**MB R5H8 P.C.B. MAIN**	**MB R5H8 PLATINE MAIN**
DV003	440.299.01	1N4448 Diode	1N4448 Diode	1N4448 Diode
DV029	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV126	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV182,186	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DZ001	704.467.40	ZMM5,1 2% Z-Diode SMD	ZMM5,1 2% Z-Diode	ZMM5,1 2% Z-Diode
GT005,006	804.075.70	NM5 PT493F PH-Transistor	NM5 PT493F PH-Transistor	NM5 PT493F PH-Transistor
IT001	205.406.50	TMP90CR74ADF R5-B4T IC FLAT	TMP90CR74ADF R5-B4T IC	TMP90CR74ADF R5-B4T CI
LN430	203.985.30	Bias Oszillator Spule 2213	Bias oscillator coil	Bias Bobine oscillatrice
LS030	204.679.10	Bias Oszillator Spule 70KHZ	Bias oscillator coil	Bias Bobine oscillatrice
PT001	433.875.00	4P2 20P Trimmer	4P2 20P Trimmer	4P2 20P C AJ
RW012	150.098.40 S	27R 0,3W 5% Sicherheitswiderstand	27R 0,3W 5% Fusible resistor	27R 0,3W 5% Résistance fusible
RW021	410.985.09 S	5R6 0,3W 5% Sicherheitswiderstand	5R6 0,3W 5% Fusible resistor	5R6 0,3W 5% Resistance fusible
TG031	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TN430	202.475.50	2SC2859Y Transistor SMD	2SC2859Y Transistor	2SC2859Y Transistor
TN439	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TT004	202.448.30	2SA1162GR Transistor SMD	2SA1162GR Transistor	2SA1162GR Transistor
TV011	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV047	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV126	202.058.00	RN2402 Transistor SSD	RN2402 Transistor	RN2402 Transistor
TV143	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV149	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TV186	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV187	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV243	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TW006	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TW010	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TW011	403.834.00	RN1405 Transistor SSD	RN1405 Transistor	RN1405 Transistor
V1455SEN		**TMB R5T13 TERMINAL BOARD**	**TMB R5T13 P.C.B.**	**TMB R5T13 PLATINE**
V1455SEN		**FEATURE R5G1 BOARD**	**FEATURE R5G1 P.C.B.**	**FEATURE R5G1 PLATINE**
DF201	704.467.40	ZMM5,1 2% Z-Diode SMD	ZMM5,1 2% Z-Diode	ZMM5,1 2% Z-Diode
DF202	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DF205,206	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
FF201	480.531.00 S	630MIA Sicherung (Topfsicherung)	630MIA Fuse	630MIA Fusible

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IF201	101.161.30	ST90R91BC1 IC	ST90R91BC1 IC	ST90R91BC1 CI
IF201A	103.442.00	IC-Fassung 68polig	IC socket 68pole	Support CI 68 voies
IF202	101.161.20	SDA5273 IC	SDA5273 IC	SDA5273 CI
IF203	205.413.60	UPD23C4001EBCZ IC MEMORY	UPD23C4001EBCZ IC	UPD23C4001EBCZ CI
IF204	202.303.00	HEF4053/BT IC	HEF4053/BT IC	HEF4053/BT CI
IF207	404.041.16	TEA5114A2 IC	IC, TEA5114/A2	CI, TEA5114/A2
IF208	202.303.00	HEF4053/BT IC	HEF4053/BT IC	HEF4053/BT CI
QF201	110.087.17	24MHZ Keramikfilter	24MHZ Ceramic filter	24MHZ Filtre ceramique
QF202	502.368.00	20,48MHZ Keramikfilter	20,48MHZ Ceramic filter	20,48MHZ Filtre ceramique
TF201	603.908.00	2SC2236-Y Transistor	2SC2236-Y Transistor	2SC2236-Y Transistor
TF202	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TF203	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TF204	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TF205	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TF208	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TF210-213	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TF220	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
V1455SEN		**KDB R5BV1 LTP.KEY-DISPLAY**	**KDB R5BV1 P.C.B.KEY-DISPLAY**	**KDB R5BV1 P.KEY-DISPLAY**
DJ425	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DK280	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
GK202-204	202.686.00	TSIP5201 IR-Diode	TSIP5201 IR-Diode	TSIP5201 IR-Diode
IK001	205.042.50	TMP87CP71F-R5-L5 IC	TMP87CP71F-R5-L5 IC	TMP87CP71F-R5-L5 CI
PK404	401.109.00	Buchse Kopfhörer 3,5mm HSJ1406-01-020	Headphone socket	Prise casque femelle
TK206	803.888.00	2SA1162Y-R Transistor SMD	2SA1162Y-R Transistor	2SA1162Y-R Transistor
TK280	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
ZK001	201.309.10	TFMT5330 IC IR Empfänger	TFMT5330 IC Infrared receiver	TFMT5330 CI Recept. infrar.
V1455SEN		**FCB R5BV1 LTP.FRONT**	**FCB R5BV1 PCB JACK**	**FCB R5BV1 PLATINE PRISE**
PK701	204.838.20	Buchse Cinch JPJ2022-01-040	Cinch socket	Prise cinch femelle
PK702	309.300.90	Buchse Cinch JPJ2022-01-030 WH	Cinch socket	Prise cinch femelle
SK001,004	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
SK007,008	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
V1455SEN		**JSB R5BV1 LTP.JOG SHUTTLE**	**JSB R5BV1 PCB JOG SHUTTLE**	**JSB R5BV1 PL. JOG SHUTTLE**
SKS01	202.145.90	Schalter Jog Shuttle SRGPHJ080A	Switch Jog Shuttle	Contacteur Jog Shuttle
VR7021		**MB R5H206 LTP. MAIN**	**MB R5H206 P.C.B. MAIN**	**MB R5H206 PLATINE MAIN**
IT001	206.374.90	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 CI
IT004	100.303.00	ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
IY001	101.443.30	SDA5648X IC	SDA5648X IC	SDA5648X CI
LS030	200.185.60	Bias Oszillator Spule	Bias Oscillator Coil	Bias Bobine Oscillatrice
PS034	420.491.00	33K 30% 0,1W Potentiometer V	33K Potentiometer	33K Potentiometre
QT001	203.258.40	17,734475MHZ Quarz	17,734475MHZ Crystal	17,734475MHZ Quartz
QV028	202.647.70	16MHZ Quarz	16MHZ Crystal	16MHZ Quartz
RW012	410.555.09 S	56R 0,3W 5% Sicherheitswiderstand	56R 0,3W 5% Fusible resistor	56R 0,3W 5% Résistance fusible
RW021	410.226.09 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Resistance fusible
VR7021		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
BX205	600.689.00	Buchse Euro AV BK2093 SCART	Scart socket	Prise femelle peritelevision
BX206	102.517.20	Buchse Euro AV BU2093 SCART	Scart socket	Prise femelle peritelevision
IS001	101.220.10	BA7795LS IC	BA7795LS IC	BA7795LS CI
IX020	110.079.92	HEF4052/BT IC SMD	HEF4052/BT IC	HEF4052/BT CI
IX040	202.303.00	HEF4053/BT IC	HEF4053/BT IC	HEF4053/BT CI
IX201	101.066.70	STV6400 IC	STV6400 IC	STV6400 CI
TS040	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
TS045	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TX013	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX050,070	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX200	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TX213	160.009.00	BC547C Transistor	BC547C Transistor	BC547C Transistor

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part
VR7021		**KDB R5BP1 LTP. KDB**	**KDB R5BP1 P.C.B. KDB**
GK001	202.962.10	LS3369FH Diode S-ROT LED	LS3369FH Diode S-RED L
GKC03	206.097.80	Lampe 100MA 14V	Lamp 100MA 14V
IK001	206.282.40	TMP47C422F-FR57 96-N1S IC FLAT	TMP47C422F-FR57 IC
QK001	100.654.00	8MHZ Resonator	8MHZ Resonator
SK001,002	203.459.10	Taktschalter	Tact switch
SK005-008	203.459.10	Taktschalter	Tact switch
SK010,012	203.459.10	Taktschalter	Tact switch
TJ028	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor
TKC29	450.014.66	BC337-40 Transistor	BC337-40 Transistor
TLC29	450.617.85	BC848/B Transistor SMD	BC848/B Transistor
ZK001	203.840.40	GP1U283X IC IR Empfänger	GP1U283X IC Infrared rec
VR7041		**MB R5H207 LTP. MAIN**	**MB R5H207 P.C.B. MAIN**
DZ006	440.270.02	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode
GK001	202.962.10	LS3369FH Diode S-ROT LED	LS3369FH Diode S-RED L
GKC03	206.097.80	Lampe 100MA 14V	Lamp 100MA 14V
IT001	206.374.90	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 IC
IT004	100.303.00	ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC
IY001	101.443.30	SDA5648X IC	SDA5648X IC
LS030	200.185.60	Bias Oszillator Spule	Bias Oscillator Coil
PS034	420.491.00	33K 30% 0,1W Potentiometer V	33K Potentiometer
QT001	203.258.40	17,734475MHZ Quarz	17,734475MHZ Crystal
QT003	202.647.70	16MHZ Quarz	16MHZ Crystal
RW012	410.555.09 S	56R 0,3W 5% Sicherheitswiderstand	56R 0,3W 5% Fusible resi
RW021	410.226.09 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resis
VR7041		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**
VR7041		**KDB R5BP1 LTP. KDB**	**KDB R5BP1 P.C.B. KDB**
IK001	206.282.40	TMP47C422F-FR57 96-N1S IC FLAT	TMP47C422F-FR57 IC
M9523		**MB R5H213 LTP. MAIN KPL**	**MB R5H213 P.C.B. MAIN A**
DZ006	440.357.02	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode
IT001	205.687.80	TMP90CS74DF-7827 C1TK IC	TMP90CS74DF-7827 C1T
IT004	100.303.00	ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC
IV100	203.375.90	LA7356M IC	LA7356M IC
IY001	101.443.30	SDA5648X IC	SDA5648X IC
LS030	200.185.60	Bias Oszillator Spule	Bias Oscillator Coil
PS034	420.491.00	33K 30% 0,1W Potentiometer V	33K Potentiometer
QT001	203.258.40	17,734475MHZ Quarz	17,734475MHZ Crystal
QT003	202.647.70	16MHZ Quarz	16MHZ Crystal
M9523		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**
BX205	600.689.00	Buchse Euro AV BK2093 SCART	Scart socket
BX206	102.517.20	Buchse Euro AV BU2093 SCART	Scart socket
IS001	101.220.10	BA7795LS IC	BA7795LS IC
IX020	110.079.92	HEF4052/BT IC SMD	HEF4052/BT IC
IX040	202.303.00	HEF4053/BT IC	HEF4053/BT IC
IX201	101.066.70	STV6400 IC	STV6400 IC
TS040	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Trans
TS045	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Trans
TX013	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor
TX050,070	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor
TX200	450.617.85	BC848/B Transistor SMD	BC848/B Transistor
M9523		**SECAM MODUL R5A2 LTP.**	**SECAM MODULE R5A2 P.**
DC121,146	508.568.52	LL4448 Diode SMD	LL4448 Diode
FC133	204.031.90	TCV-2209P LC-Modul	TCV-2209P LC Module
IC100	205.680.80	BA7207AS IC	BA7207AS IC
PC103,104	420.413.00	2K2 Potentiometer	2K2 Potentiometer

	Part	Désignation
P. KDB	**KDB R5BP1 P.C.B. KDB**	**KDB R5BP1 P.KDB**
de S-ROT LED	LS3369FH Diode S-RED LED	LS3369FH Diode S-ROUGE LED
. 14V	Lamp 100MA 14V	Ampoule 100MA 14V
-FR57 96-N1S IC FLAT	TMP47C422F-FR57 IC	TMP47C422F-FR57 CI
.tor	8MHZ Resonator	8MHZ Quartz
	Tact switch	Interrupteur de cadence
	Tact switch	Interrupteur de cadence
	Tact switch	Interrupteur de cadence
-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
nsistor	BC337-40 Transistor	BC337-40 Transistor
sistor SMD	BC848/B Transistor	BC848/B Transistor
: IR Empfänger	GP1U283X IC Infrared receiver	GP1U283X CI Recept. infrar
TP. MAIN	**MB R5H207 P.C.B. MAIN**	**MB R5H207 PLATINE MAIN**
2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode
ode S-ROT LED	LS3369FH Diode S-RED LED	LS3369FH Diode S-ROUGE LED
A 14V	Lamp 100MA 14V	Ampoule 100MA 14V
DF C1S-1 IC	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 CI
IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
;	SDA5648X IC	SDA5648X CI
r Spule	Bias Oscillator Coil	Bias Bobine Oscillatrice
W Potentiometer V	33K Potentiometer	33K Potentiometre
IZ Quarz	17,734475MHZ Crystal	17,734475MHZ Quartz
z	16MHZ Crystal	16MHZ Quartz
Sicherheitswiderstand	56R 0,3W 5% Fusible resistor	56R 0,3W 5% Résistance fusible
Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Resistance fusible
ERMINAL BOARD KPL	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
TP. KDB	**KDB R5BP1 P.C.B. KDB**	**KDB R5BP1 P.KDB**
-FR57 96-N1S IC FLAT	TMP47C422F-FR57 IC	TMP47C422F-FR57 CI
TP. MAIN KPL	**MB R5H213 P.C.B. MAIN ASSY**	**MB R5H213 PLATINE MAIN EQ**
Z-Diode	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode
DF-7827 C1TK IC	TMP90CS74DF-7827 C1TK IC	TMP90CS74DF-7827 C1TK CI
IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
	LA7356M IC	LA7356M CI
C	SDA5648X IC	SDA5648X CI
or Spule	Bias Oscillator Coil	Bias Bobine Oscillatrice
W Potentiometer V	33K Potentiometer	33K Potentiometre
HZ Quarz	17,734475MHZ Crystal	17,734475MHZ Quartz
rz	16MHZ Crystal	16MHZ Quartz
ERMINAL BOARD KPL	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
AV BK2093 SCART	Scart socket	Prise femelle peritelevision
AV BU2093 SCART	Scart socket	Prise femelle peritelevision
C	BA7795LS IC	BA7795LS CI
IC SMD	HEF4052/BT IC	HEF4052/BT CI
IC	HEF4053/BT IC	HEF4053/BT CI
	STV6400 IC	STV6400 CI
85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
ansistor SMD	BC848/B Transistor	BC848/B Transistor
OUL R5A2 LTP.	**SECAM MODULE R5A2 P.C.B.**	**SECAM MODULE R5A2 PL.**
de SMD	LL4448 Diode	LL4448 Diode
LC-Modul	TCV-2209P LC Module	TCV-2209P Module LC
IC	BA7207AS IC	BA7207AS CI
ometer	2K2 Potentiometer	2K2 Potentiometre

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TC112	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TC119	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TC127	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TC128	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TC133,134	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TC135	203.438.80	RN2202 Transistor SMD	RN2202 Transistor	RN2202 Transistor
TC136-138	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TC139	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TC140	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
M9523		**KDB R5CU1 LTP. KEY/DISPLAY**	**KDB R5CU1 P.C.B. KEY/DISPLAY**	**KDB R5CU1 P.KEY/DISPLAY**
DK040	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
GFK01	200.812.40	Fluoreszenzanzeige/Display 11-MT-83GK	Fluorescent display panel	Affichage
IK001	206.261.80	TMP47C416F-H844 IC FLAT	TMP47C416F-H844 IC	TMP47C416F-H844 CI
QK001	100.654.00	8MHZ Resonator	8MHZ Resonator	8MHZ Quartz
SK001-008	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
TK017,023	309.466.60	BC857B Transistor SMD	BC857B Transistor	BC857B Transistor
ZK001	203.840.40	GP1U283X IC IR Empfänger	GP1U283X IC Infrared receiver	GP1U283X CI Recept. infrar
M9625		**MB R5H20 LTP. MAIN**	**MB R5H20 P.C.B. MAIN**	**MB R5H20 PLATINE MAIN**
DV003,039	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DZ002	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DZ004,005	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
TG031	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transisto:	RN1402 (TE85L/R) Transistor
M9625		**TMB R5T12 TERMINAL BOARD KPL**	**TMB R5T12 PCB. ASSY**	**TMB R5T12 PLATINE EQ**
M9625		**KDB R5DU2 LTP.TIMER/DISPLAY**	**KDB R5DU2 P.C.B. TIMER/DISPLAY**	**KDB R5DU2 P.TIMER/DISPLAY**
DJ425	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DK066	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
DK280	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
GK202-204	202.686.00	TSIP5201 IR-Diode	TSIP5201 IR-Diode	TSIP5201 IR-Diode
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
TK206	803.888.00	2SA1162Y-R Transistor SMD	2SA1162Y-R Transistor	2SA1162Y-R Transistor
TK280	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
M9625		**FCB R5DU1 LTP.FRONT CONNECTION**	**FCB R5DU1 PCB JACK**	**FCB R5DU1 PLATINE PRISE**
PK404	401.109.00	Buchse Kopfhörer 3,5mm HSJ1406-01-020	Headphone socket	Prise casque femelle
PK701	604.329.50	Buchse Cinch gelb JPJ1022-01-040 YE	Socket cinch yellow	Prise femelle cinch
PK702	404.824.60	Buchse Cinch JPJ1022-01-030 WH	Cinch socket	Prise cinch femelle
M9655		**MB R5H23 LTP. MAIN**	**MB R5H23 P.C.B. MAIN**	**MB R5H23 PLATINE MAIN**
DG030,034	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DT013	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DV003	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV029	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV126-128	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV182,186	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DZ002	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DZ004,005	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
LN430	203.985.30	Bias Oszillator Spule 2213	Bias oscillator coil	Bias Bobine oscillatrice
LS030	204.679.10	Bias Oszillator Spule 70KHZ	Bias oscillator coil	Bias Bobine oscillatrice
PS034	420.346.00	47K 0,1W 30% Potentiometer V	47K 0,1W Potentiometer	47K 0,1W Potentiometre
RN441	150.096.60 S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resisto:	18R 0,3W 5% Resistance fusible
TG031	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
TN430	202.475.50	2SC2859Y Transistor SMD	2SC2859Y Transistor	2SC2859Y Transistor
TN439	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TT004	202.448.30	2SA1162GR Transistor SMD	2SA1162GR Transistor	2SA1162GR Transistor
TV126	202.058.00	RN2402 Transistor SSD	RN2402 Transistor	RN2402 Transistor
TV186	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV187	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transisto:	RN1402 (TE85L/R) Transistor

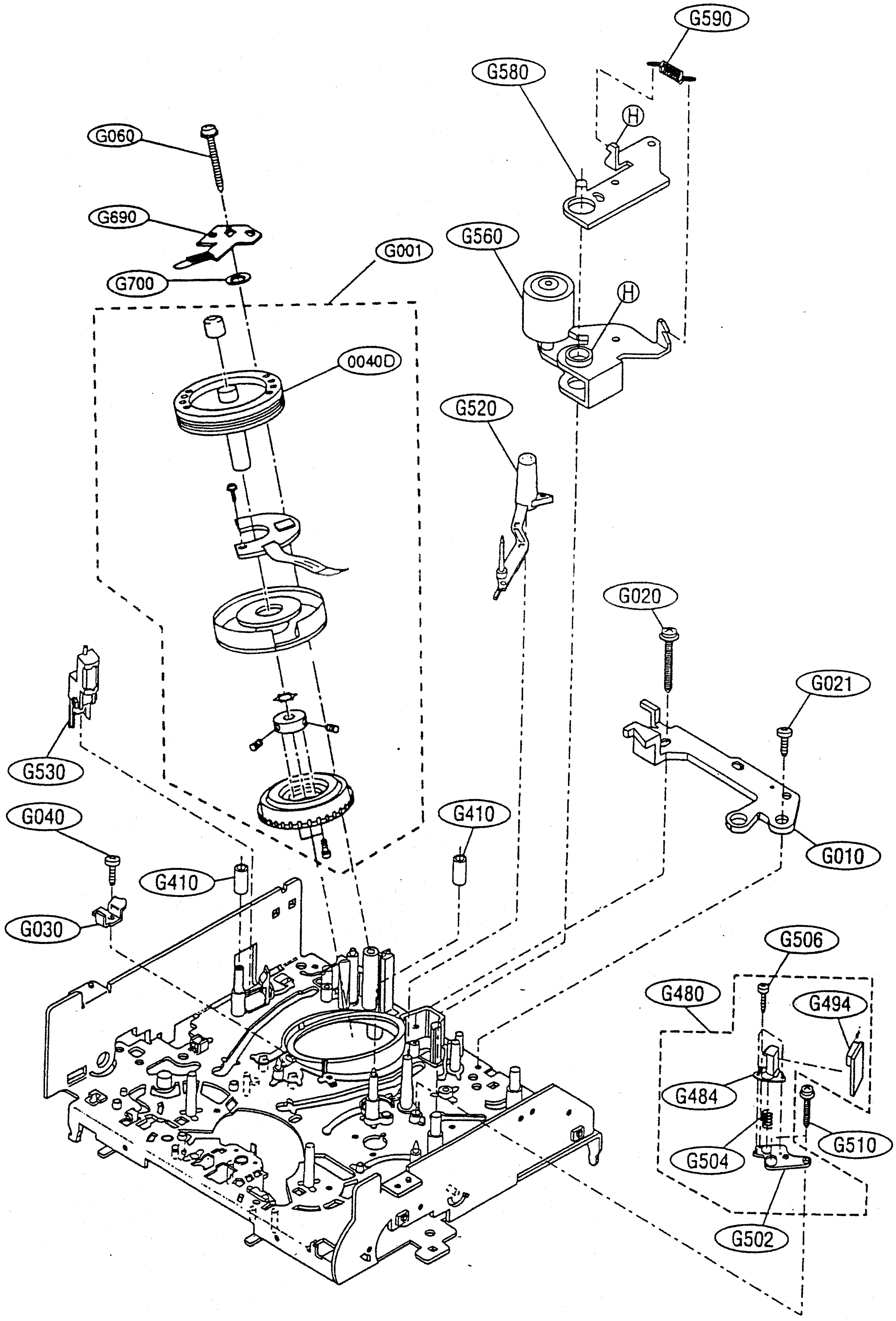
Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
M9655		**TMB R5T14 TERMINAL BOARD KPL**	**TMB R5T14 PCB. ASSY**	**TMB R5T14 PLATINE EQ**
M9655		**KDB R5DU2 LTP.TIMER/DISPLAY**	**KDB R5DU2 P.C.B. TIMER/DISPLAY**	**KDB R5DU2 P.TIMER/DISPLAY**
DJ425	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DK066	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
DK280	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
GK202-204	202.686.00	TSIP5201 IR-Diode	TSIP5201 IR-Diode	TSIP5201 IR-Diode
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
T8000		**MB R5H202 LTP. MAIN**	**MB R5H202 P.C.B. MAIN**	**MB R5H202 PLATINE MAIN**
DV003,039	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
IT001	205.852.30	TMP90CS74DF-7884 C1T IC	TMP90CS74DF-7884 C1T IC	TMP90CS74DF-7884 C1T CI
IT004	100.303.00	ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
TG031	450.539.85	BC858B SMD-TRANSISTOR 10ER-PACK	BC858/B Transistor	BC858/B Transistor
T8000		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
T8000		**KDB R5DD1 LTP.TIMER/DISPLAY**	**KDB R5DD1 P.C.B. TIMER/DISPLAY**	**KDB R5DD1 P.TIMER/DISPLAY**
GKF01	202.153.60	Fluoreszenzanzeige/Display 11-MT-83GAK	Fluorescent display panel	Affichage
IK001	206.280.80	TMP47C416F-H844 IC FLAT	TMP47C416F-H844 IC	TMP47C416F-H844 CI
ZK001	201.309.10	TFMT5330 IC IR Empfänger	TFMT5330 IC Infrared receiver	TFMT5330 CI Recept. infrar.
T8000		**FCB R5DD1 LTP.FRONT CONNECTION**	**FCB R5DD1 PCB JACK**	**FCB R5DD1 PLATINE PRISE**
SK001,005	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
VP2601		**MB R5H209 LTP. MAIN**	**MB R5H209 P.C.B. MAIN**	**MB R5H209 PLATINE MAIN**
GT005,006	804.075.70	NM5 PT493F PH-Transistor	NM5 PT493F PH-Transistor	NM5 PT493F PH-Transistor
IT001	206.374.90	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 IC	TMP90CS74DF C1S-1 CI
IT004	100.303.00	ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
QV018	202.637.20	4,433619MHZ Quarz	4,433619MHZ Crystal	4,433619MHZ Quartz
ST002	101.376.10	SPPB62 Druckschalter	SPPB62 Push switch	SPPB62 Commutateur poussoir
VP2601		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
BX205	600.689.00	Buchse Euro AV BK2093 SCART	Scart socket	Prise femelle peritelevision
BX206	102.517.20	Buchse Euro AV BU2093 SCART	Scart socket	Prise femelle peritelevision
IS001	101.220.10	BA7795LS IC	BA7795LS IC	BA7795LS CI
IX020	110.079.92	HEF4052/BT IC SMD	HEF4052/BT IC	HEF4052/BT CI
IX040	202.303.00	HEF4053/BT IC	HEF4053/BT IC	HEF4053/BT CI
IX201	101.066.70	STV6400 IC	STV6400 IC	STV6400 CI
TS040	703.818.00	RN1404 (TE85L/R) Transistor SSD	RN1404 (TE85L/R) Transistor	RN1404 (TE85L/R) Transistor
TS045	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TX013	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX050,070	703.828.00	2SC2712Y-R Transistor SMD	2SC2712Y-R Transistor	2SC2712Y-R Transistor
TX200	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TX213	160.009.00	BC547C Transistor	BC547C Transistor	BC547C Transistor
VP2601		**KDB R5DV1 LTP.TIMER/DISPLAY**	**KDB R5DV1 P.C.B. TIMER/DISPLAY**	**KDB R5DV1 P.TIMER/DISPLAY**
DK040	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
GKF01	200.812.40	Fluoreszenzanzeige/Display 11-MT-83GK	Fluorescent display panel	Affichage
IK001	206.261.80	TMP47C416F-H844 IC FLAT	TMP47C416F-H844 IC	TMP47C416F-H844 CI
QK001	100.654.00	8MHZ Resonator	8MHZ Resonator	8MHZ Quartz
SK002,004	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
SK006,008	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
TK017,023	309.466.60	BC857B Transistor SMD	BC857B Transistor	BC857B Transistor
ZK001	203.840.40	GP1U283X IC IR Empfänger	GP1U283X IC Infrared receiver	GP1U283X CI Recept. infrar
VP2601		**FCB R5DV1 LTP.FRONT CONNECTION**	**FCB R5DV1 PCB JACK**	**FCB R5DV1 PLATINE PRISE**
SK001,003	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
SK005,007	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
VP2651		**MB R5H400 LTP. MAIN**	**MB R5H400 P.C.B. MAIN**	**MB R5H400 PLATINE MAIN**
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		ALLGEMEINE TEILE:	**GENERAL PARTS:**	**PIECES DIVERS:**
		ZUBEHÖR /BEIPACK	**ACCESSORIES**	**ACCESSOIRES**
V1250SVM	205.782.20	RC5205M IR-GEBER	RC5205M REMOTE CONTR. UNIT	RC5205M TELECOMMANDE
V1450SVM	205.782.20	RC5205M IR-GEBER	RC5205M REMOTE CONTR. UNIT	RC5205M TELECOMMANDE
V1455SEN	204.294.70	RC5209X IR-GEBER	RC5209X REMOTE CONTR. UNIT	RC5209X TELECOMMANDE
VR7021	205.865.30	TC621 IR-GEBER RC5402X	TC621 REMOTE CONTR. UNIT	TC621 TELECOMMANDE
VR7041	205.865.30	TC621 IR-GEBER RC5402X	TC621 REMOTE CONTR. UNIT	TC621 TELECOMMANDE
M9523	205.681.20	RC5105M IR-GEBER	RC5105M REMOTE CONTR. UNIT	RC5105M TELECOMMANDE
M9625	205.865.10	RC5105MX IR-GEBER	RC5105MX REMOTE CONTR. UNIT	RC5105MX TELECOMMANDE
M9655	205.864.70	RC5106M IR-GEBER	RC5106M REMOTE CONTR. UNIT	RC5106M TELECOMMANDE
T8000	205.865.50	RC5104N IR-GEBER	RC5104N REMOTE CONTR. UNIT	RC5104N TELECOMMANDE
VP2601	205.781.80	RC5003N IR-GEBER	RC5003N REMOTE CONTR. UNIT	RC5003N TELECOMMANDE
VP2651	206.350.20	RC5005MX IR-GEBER	RC5005MX REMOTE CONTR. UNIT	RC5005MX TELECOMMANDE
VP4601	206.350.00	RC5004NX IR-GEBER	REMOTE CONTROL RC5004NX	TLC RC5004NX
VP4681	205.781.80	RC5003N IR-GEBER	RC5003N REMOTE CONTR. UNIT	RC5003N TELECOMMANDE
VP4681	206.133.10	RC5008M IR-GEBER	RC5008M REMOTE CONTR. UNIT	RC5008M TELECOMMANDE
-	100.801.90	Antennenkabel	Antenna cable	Câble HF
-	620.697.00 S	Netzanschlussleitung	Power cord	Câble secteur
V1455SEN	100.467.00	Anschlusskabel Cinch	Connection lead Cinch	Cordon de liaison Cinch
V1455SEN	204.182.60	Scartkabel VOLL 370MM	Scart cable AV FULL	Scart cable AV FULL
M9655	103.861.80	EDIT CABLE 1500MM	EDIT CABLE 1500MM	EDIT CABLE 1500MM
VP4681	103.861.80	EDIT CABLE 1500MM	EDIT CABLE 1500MM	EDIT CABLE 1500MM
		SERVICE-UNTERLAGEN	**SERVICE INFORMATIONS**	**NOTICE TECHNIQUE**
V1250SVM	206.476.80	BA V1250/1450SVM Inst.Anltg. D/I/S/DK/F	Instruction booklet IG	Notice d'utilisation IG
V1250SVM	206.476.90	BA V1250/1450SVM Bedienung D/I/S/DK/F	Instruction booklet UG	Notice d'utilisation UG
V1450SVM	206.476.80	BA V1250/1450SVM Inst.Anltg. D/I/S/DK/F	Instruction booklet IG	Notice d'utilisation IG
V1455SVM	206.476.90	BA V1250/1450SVM Bedienung D/I/S/DK/F	Instruction booklet UG	Notice d'utilisation UG
V1455SEN	204.295.50	BA V1455SENS Inst.Anltg. D/I/GB	Instruction booklet IG	Notice d'utilisation IG
V1455SEN	204.295.60	BA V1455SENS Bedienung D/I/GB	Instruction booklet UG	Notice d'utilisation UG
V1455SEN	205.465.80	Hinweiszettel 2.FB TC545/R5474G	Instruction note	Notes importantes
VR7021	206.177.10	BA VR7021/7041 Bedienung D/I/F/NL/S	Instruction booklet UG	Notice d'utilisation UG
VR7021	206.177.20	BA VR7021/7041 Inst.Anltg. D/I/F/NL/S	Instruction booklet IG	Notice d'utilisation IG
VR7041	206.177.10	BA VR7021/7041 Bedienung D/I/F/NL/S	Instruction booklet UG	Notice d'utilisation UG
VR7041	206.177.20	BA VR7021/7041 Inst.Anltg. D/I/F/NL/S	Instruction booklet IG	Notice d'utilisation IG
M9523	206.125.60	BA M9523 Inst.Anltg. F/GB IG	Instruction booklet IG	Notice d'utilisation IG
M9523	206.125.70	BA M9523 Bedienung F/GB UG	Instruction booklet UG	Notice d'utilisation UG
M9625	206.371.50	BA M9625 Bedienung D/I/E/F/S/NL	Instruction booklet UG	Notice d'utilisation UG
M9625	206.371.60	BA M9625 Inst.Anltg. D/I/E/F/S/NL	Instruction booklet IG	Notice d'utilisation IG
M9655	206.120.40	BA M9655 Bedienung D/I/E/P/S/DK	Instruction booklet UG	Notice d'utilisation UG
M9655	206.120.50	BA M9655 Inst.Anltg. D/I/E/P/S/DK	Instruction booklet IG	Notice d'utilisation IG
T8000	206.187.30	BA T8000 Inst.Anltg.IG D/I/E	Instruction booklet IG	Notice d'utilisation IG
T8000	206.187.40	BA T8000 Bedienung UG D/I/E	Instruction booklet UG	Notice d'utilisation UG
VP2601	206.350.70	BA VP2601 Inst.Anltg. IG	Instruction booklet IG	Notice d'utilisation IG
VP2601	206.350.80	BA VP2601 Bedienung UG	Instruction booklet UG	Notice d'utilisation UG
VP2651	206.354.10	BA VP2651 Bedienung D/I/E/F/S/P	Instruction booklet UG	Notice d'utilisation UG
VP2651	206.354.20	BA VP2651 Inst.Anltg. D/I/E/F/S/P	Instruction booklet IG	Notice d'utilisation IG
VP4601	206.353.90	BA VP4601 Inst.Anltg. D/I/E/P/PL/CZ/H	Instruction booklet IG	Notice d'utilisation IG
VP4601	206.354.00	BA VP4601 Bedienung D/I/E/P/PL/CZ/H	Instruction booklet UG	Notice d'utilisation UG
VP4681	206.354.30	BA VP4681 Inst.Anltg. D/I/E/F/S/P	Instruction booklet IG	Notice d'utilisation IG
VP4681	206.354.40	BA VP4681 Bedienung D/I/E/F/S/P	Instruction booklet UG	Notice d'utilisation UG

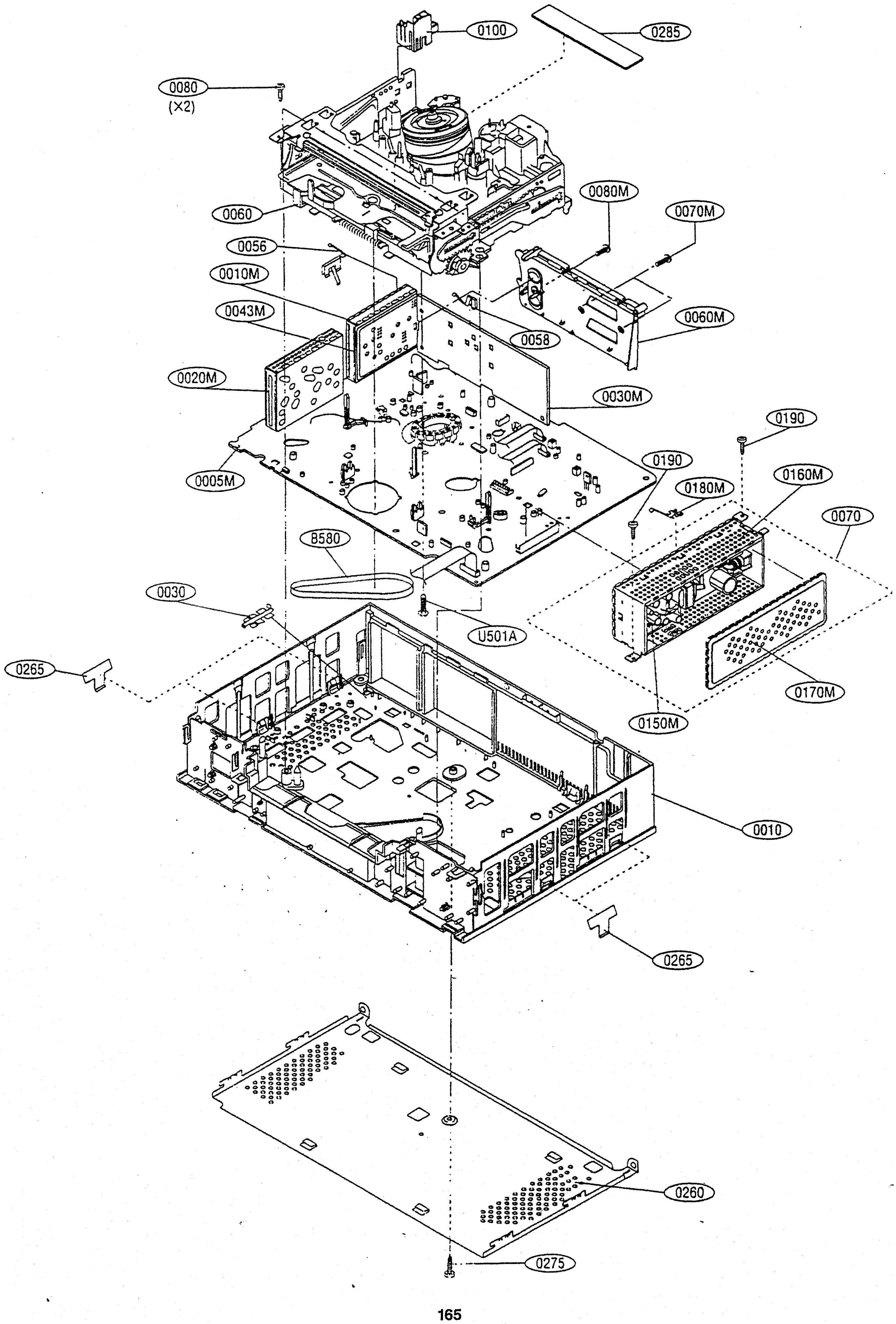
Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
VP2651		**TMB R5T12 TERMINAL BOARD KPL**	**TMB R5T12 PCB. ASSY**	**TMB R5T12 PLATINE EQ**
VP2651		**KDB R5CV1 LTP.TIMER/DISPLAY**	**KDB R5CV1 P.C.B. TIMER/DISPLAY**	**KDB R5CV1 P.TIMER/DISPLAY**
DJ425	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
DK066	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
DK280	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
GK202-204	202.686.00	TSIP5201 IR-Diode	TSIP5201 IR-Diode	TSIP5201 IR-Diode
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
PK404	401.109.00	Buchse Kopfhörer 3,5mm HSJ1406-01-020	Headphone socket	Prise casque femelle
TK206	803.888.00	2SA1162Y-R Transistor SMD	2SA1162Y-R Transistor	2SA1162Y-R Transistor
TK280	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
VP2651		**FCB R5CV1 LTP.FRONT CONNECTION**	**FCB R5CV1 PCB JACK**	**FCB R5CV1 PLATINE PRISE**
PK701	604.329.50	Buchse Cinch gelb JPJ1022-01-040 YE	Socket cinch yellow	Prise femelle cinch
PK702	404.824.60	Buchse Cinch JPJ1022-01-030 WH	Cinch socket	Prise cinch femelle
VP4601		**MB R5H401 LTP. MAIN**	**MB R5H401 P.C.B. MAIN**	**MB R5H401 PLATINE MAIN**
DG030,034	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DT013	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DV029	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV126-128	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV182,186	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DZ002,004	100.409.50	LS4148 Diode SMD	LS4148 Diode SMD	LS4148 Diode SMD
DZ006	440.357.02	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode	ZPD5,1 2% Z-Diode
FZ050	100.009.20	6MHZ Keramikfilter	6MHZ Ceramic filter	6MHZ Filtre ceramique
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
IV100	203.375.90	LA7356M IC	LA7356M IC	LA7356M CI
RW012	150.098.40 S	27R 0,3W 5% Sicherheitswiderstand	27R 0,3W 5% Fusible resistor	27R 0,3W 5% Résistance fusible
RW021	410.985.09 S	5R6 0,3W 5% Sicherheitswiderstand	5R6 0,3W 5% Fusible resistor	5R6 0,3W 5% Resistance fusible
TV126	202.058.00	RN2402 Transistor SSD	RN2402 Transistor	RN2402 Transistor
TV186	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV187	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
VP4601		**TMB R5T10 TERMINAL BOARD KPL**	**TMB R5T10 PCB. ASSY**	**TMB R5T10 PLATINE EQ**
VP4601		**KDB R5AD3 LTP.TIMER/DISPLAY**	**KDB R5AD3 P.C.B. TIMER/DISPLAY**	**KDB R5AD3 P.TIMER/DISPLAY**
DJ66	905.665.20	ZMM4,7 Z-Diode SMD	ZMM4,7 Z-Diode	ZMM4,7 Z-Diode
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
ZK01	201.309.10	TFMT5330 IC IR Empfänger	TFMT5330 IC Infrared receiver	TFMT5330 CI Recept. Infrar.
VP4601		**FCB R5AD1 LTP. FRONT**	**FCB R5AD1 PCB JACK**	**FCB R5AD1 PLATINE PRISE**
SK09,10	203.459.10	Taktschalter	Tact switch	Interrupteur de cadence
VP4681		**MB R5H402 LTP. MAIN**	**MB R5H402 P.C.B. MAIN**	**MB R5H402 PLATINE MAIN**
DV029	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV126-128	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
DV182,186	508.568.52	LL4448 Diode SMD	LL4448 Diode	LL4448 Diode
IT001	206.280.60	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T IC	TMP90CS74DF-7904 C5T CI
LN430	203.985.30	Bias Oszillator Spule 2213	Bias oscillator coil	Bias Bobine oscillatrice
LS030	204.679.10	Bias Oszillator Spule 70KHZ	Bias oscillator coil	Bias Bobine oscillatrice
RN441	150.096.60 S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resistor	18R 0,3W 5% Resistance fusible
TN430	202.475.50	2SC2859Y Transistor SMD	2SC2859Y Transistor	2SC2859Y Transistor
TN439	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TT004	202.448.30	2SA1162GR Transistor SMD	2SA1162GR Transistor	2SA1162GR Transistor
TV126	202.058.00	RN2402 Transistor SSD	RN2402 Transistor	RN2402 Transistor
TV171	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
TV187	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TV225	109.662.00	RN1402 (TE85L/R) Transistor SSD	RN1402 (TE85L/R) Transistor	RN1402 (TE85L/R) Transistor
VP4681		**TMB R5T14 TERMINAL BOARD KPL**	**TMB R5T14 PCB. ASSY**	**TMB R5T14 PLATINE EQ**
VP4681		**KDB R5CV1 LTP.TIMER/DISPLAY**	**KDB R5CV1 P.C.B. TIMER/DISPLAY**	**KDB R5CV1 P.TIMER/DISPLAY**
DJ425	160.124.50	LL4148 Diode SMD	LL4148 Diode SMD	LL4148 Diode SMD
IK001	206.280.80	TMP87CS71F-6487 R5-N5T IC FLAT	TMP87CS71F-6487 R5-N5T IC	TMP87CS71F-6487 R5-N5T CI
VP4681		**FCB R5CV1 LTP.FRONT CONNECTION**	**FCB R5CV1 PCB JACK**	**FCB R5CV1 PLATINE PRISE**

MECHANICAL PARTS (1)

LUBRICATION POINTS
Ⓗ = GREASE

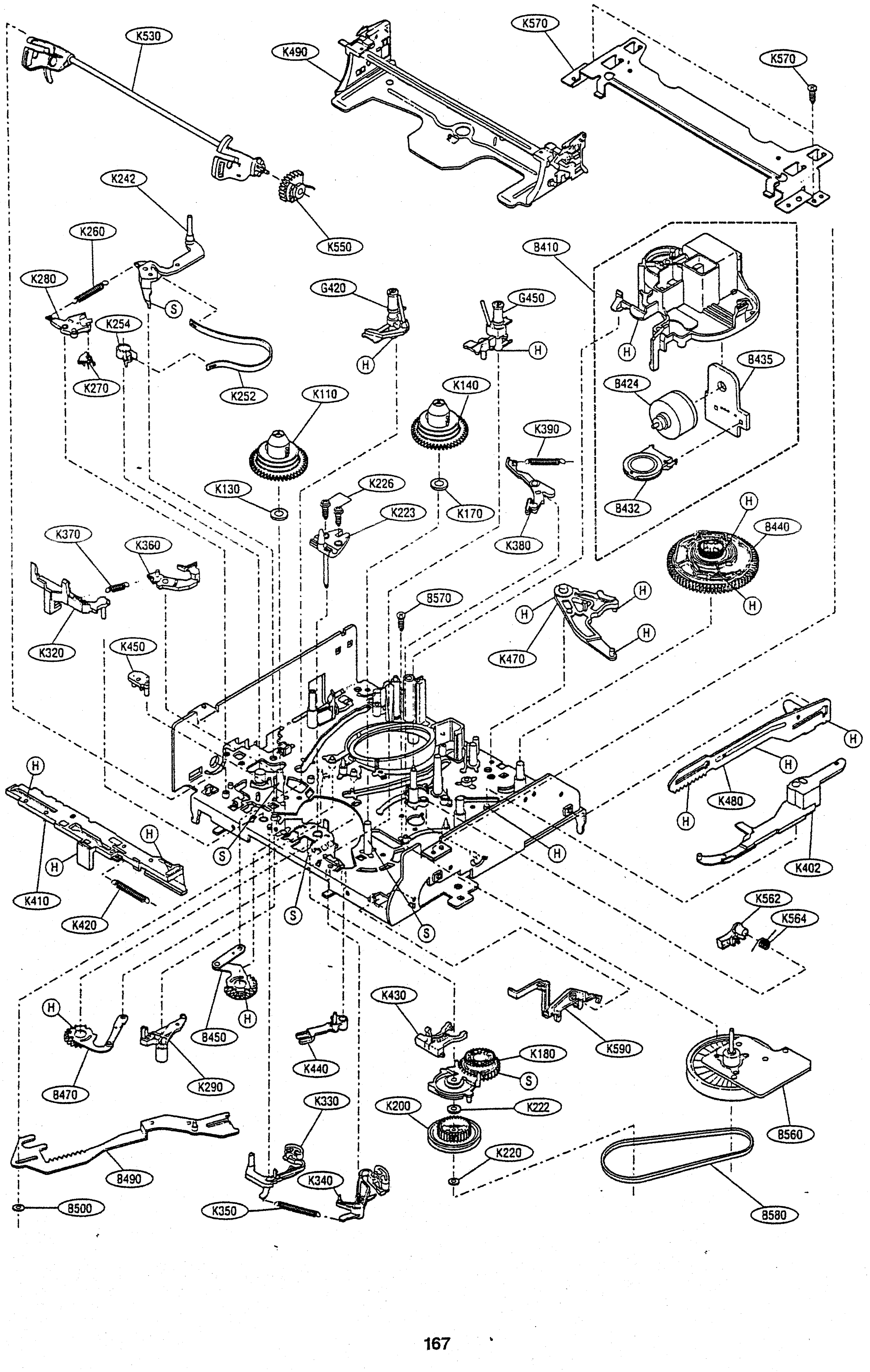

G590
G580
Ⓗ
G060
G690
G001
G560
Ⓗ
G700
0040D
G520
G020
G021
G530
G040
G410
G410
G010
G030
G506
G480
G494
G484
G510
G504
G502

CHASSIS VIEW


0100
0285
0080
(×2)
0080M
0060
0070M
0056
0010M
0043M
0058
0060M
0020M
0030M
0190
0005M
0190
0160M
0180M
0070
B580
0030
U501A
0265
0170M
0150M
0010
0265
0260
0275

MECHANICAL PARTS (2)

LUBRICATION POINTS
Ⓗ = GREASE
Ⓢ = OIL


K530
K490
K570
K570
K242
K550
K260
K280
S
K254
K270
K252
G420
H
G450
H
B410
H
B435
B424
B432
K110
K140
K390
K130
K226
K223
K170
K380
B440
H
H
K370
K360
K320
B570
H
K470
H
H
K450
H
K410
H
H
K420
S
S
S
H
K480
H
H
K402
K562
K564
H
B450
H
B470
K290
K430
K440
K590
K180
S
K330
K200
K222
K220
B560
B490
K340
B580
B500
K350

Technical documentation to be used by maintenance technicians only • Documentation technique exclusivement destinée aux professionnels de la maintenance • Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt • Documentazione tecnica destinata esclusivamente ai tecnici dell'assistenza • Documentación técnica destinada exclusivamente a los profesionales de mantenimiento

THOMSON multimedia Sales UK Limited
CROWN ROAD, ENFIELD, MIDDLESEX EN1 1DZ (ENGLAND)
TEL. : 0181 344 4444 • FAX. : 0181 344 4452

THOMSON CONSUMER ELECTRONICS
MARKETING FRANCE
Services
19, AVENUE DUBONNET - B.P. 25
92403 COURBEVOIE CEDEX
TEL. : 01 46.91 36 00
S.A. AU CAPITAL DE 200 000 000 F

THOMSON multimedia Sales Germany GmbH & Co. oHG
- Service -
GÖTTINGER CHAUSSEE 76 • 30453 HANNOVER

THOMSON multimedia Sales Italy S.p.a.
VIA LEONARDO DA VINCI 43
20090 TREZZANO SUL NAVIGLIO • MILANO
TEL. : (02) 48 414 320 • FAX. : (02) 48 414 325

THOMSON multimedia Sales Spain
AVENIDA de BURGOS 8A • 28036 • MADRID

The description and characteristics given here are of informative significance only, and non committal. To keep up the high quality of our products, we reserve the right to make any changes or improvement without previous notice. • Les descriptions et caractéristiques figurant sur ce document sont données à titre d'information et non d'engagement. En effet, soucieux de la qualité de nos produits, nous nous réservons le droit d'effectuer, sans préavis, toute modification ou amélioration. • Die Beschreibungen und Daten in dieser Anleitung dienen nur zur Information und sind nicht bindend. Um die Qualität unserer Produkte ständig zu verbessern, behalten wir uns das Recht auf Änderungen vor. • Le descrizioni e le caratteristiche date su questo documento sono fornite a semplice titolo informativo e senza impegno. Ci riserviamo il diritto di eseguire, senza preavviso, qualsiasi modifica o miglioramento. • Las descripciones y características que figuran en este documento se dan a título de información y no de compromiso. En efecto, en bien de la calidad de nuestros productos, nos reservamos el derecho de efectuar, sin previo aviso, cualquier modificación o mejora.